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Cutler and Downing

PLANTING BOOK

for 1931

INDEX

Vegetable Seeds	3-9	Evergreens and Vines	21
Lawn Grass	10	Roses	22
Fruit Trees	11-13	Perennials	23-24
Small Fruits	14-16	Dog and Bird Supplies	25-26
Baby Chicks	16	Fertilizers, Spray Materials	26-27
Bee Supplies	16	Miscellaneous Supplies	28
Ornamental Shrubs	17-19	Water Garden	29
Shade and Nut Trees	20	Landscape Department	30-32

CUTLER & DOWNING Co.
Benton Harbor, Mich.



FRED J. CUTLER.
President-General Manager.

FOR TWENTY-SIX YEARS the firm of CUTLER & DOWNING CO. have been serving the wants of the farm and garden interests in this section of the country. During that period they have supplied millions of fruit trees and plants whose **Trueness-to-Name** and **Quality** have aided materially to make this one of the greatest fruit producing sections in the United States.

The business had an humble beginning in 1905 under the active managership of FRED J. CUTLER whose integrity and honest business methods are responsible for the remarkable growth the firm has enjoyed since that time and the growth can be traced by the accompanying photographs. The policy of the management has and remains, to offer its customers merchandise of the highest standard of quality.

On November 4th, 1930, Mr. Cutler was elected to the office of sheriff of Berrien County and on January 1st, 1931, assumed his duties in that capacity. This office will of course require most of his time although he hopes from time to time to renew acquaintances with his old friends and customers. During his absence from the business, the Seed, Nursery and Landscape Departments will be managed by JOHN N. SCHREIBER and the Hardware Department which constitutes one entire section of the Elm street store will be managed by G. L. CASSLER.

The management wishes to take this means to thank the many customers who have made our growth possible and trust they will continue to patronize us as they have in years past.



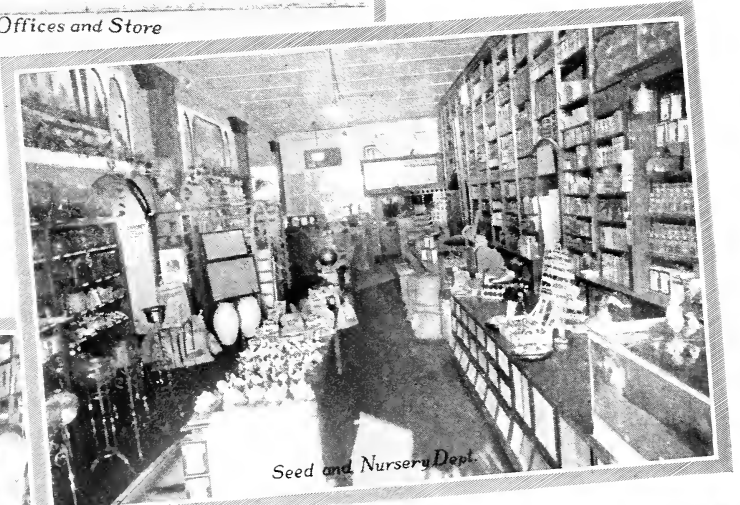
Offices and Store



JOHN N. SCHREIBER.
Manager Seed and Nursery Dept.



Our Store in
1905



Seed and Nursery Dept.



Hardware Dept.

Satisfaction Guaranteed

We guarantee every Tree, Plant or Vine sold by us to be strong, vigorous and healthy, and to deliver them to you in good condition. If for any reason you are not absolutely satisfied with your stock when it is received, advise us at once, and we will gladly replace the items or refund your money.

Cutler & Downing Trees are True-to-Name—no human caution could be more exacting than ours. If any trees prove untrue to name, upon proper proof, we will replace or refund the purchase price. Obviously, we cannot assume further responsibility than this.

Vegetable Seeds

The entire resources of the CUTLER & DOWNING organization is devoted to supplying the finest stock obtainable at the lowest, reasonable prices. Our seeds are carefully selected as to origin and above all must be true to variety. All seeds are tested before being offered to you for sale. It costs no more to plant the best. Make up your list and either bring it in or mail it. Your orders will have our best attention.

OUR GUARANTEE OF GENUINENESS

We exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge, all seed that may prove untrue to name, or refund the amount paid. It is, however, mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for the seeds that proved untrue.

(Signed) CUTLER & DOWNING CO.

We Promise 24-Hour Delivery Service on All Seed Orders

**WE PAY THE POSTAGE
OUR TERMS ARE CASH**

ARTICHOKE

LARGE GLOBE. Produces large quantity of tubers under ground. Used for human consumption as well as animal feed. 1 lb., 10c; bu., \$2.50.

ASPARAGUS

1 oz. to 200 plants; 4 to 5 lbs. per acre.

CONOVER'S COLOSSAL. A large, green type of excellent quality. Pkg., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

PALMETTO. Very early, large size and immensely productive. Pkg., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.

WASHINGTON. The new giant rust-proof variety. Color, rich dark green and enormously productive. Pkg., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.

ASPARAGUS ROOTS. We can furnish 2-yr. roots in the above varieties in the Spring. Washington variety, \$2.00 per hundred; \$15.00 per thousand. Other varieties, \$1.50 per hundred; \$10.00 per thousand.

BEANS

YELLOW OR WAX PODDED VARIETIES

1 pound to 100 feet of row.

DAVIS WHITE WAX. White beans of medium size, kidney-shaped. Excellent for baking. Long, light yellow, straight pods. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

IMPROVED GOLDEN WAX. Rust-proof. Yields heavily. Long, flat, broad, golden yellow pods, very fleshy. Stringless and brittle. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

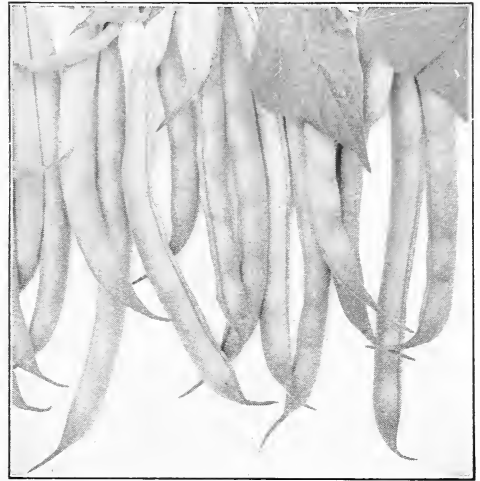
PENCIL POD BLACK WAX. Long pencil-like pods, 6 to 7 inches long. Meat is brittle, stringless and of excellent flavor. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

WARDWELL'S KIDNEY WAX. Medium early, maturing a little later than golden wax. Very productive. Dry beans, long white with purple. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

GREEN PODDED BUSH BEANS

BURPEE'S STRINGLESS. Early, very hardy and productive. Green pods almost round and perfectly stringless. Tender and delicious. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

GIANT STRINGLESS GREEN POD. Giant pods average 6 inches in length. Early and a great producer. Stands dry weather well. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.



Improved Golden Wax Beans.

POLE OR RUNNING BEAN

KENTUCKY WONDER OR OLD HOMESTEAD. Exceptionally long pods borne in clusters of two or four. Very fleshy and perfectly stringless. Lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

BUSH LIMA BEANS

BURPEE'S IMPROVED BUSH LIMA. A strong and vigorous dwarf form. Produces large number of handsome pods in clusters well filled. Lb., 35c; 15 lbs. @ 32c; 30 lbs. @ 30c.

FORDHOOK BUSH LIMA. A good market bean producing many large pods in clusters. Four or five large beans to the pod. Very early. Lb., 40c; 15 lbs. @ 38c; 30 lbs. @ 35c.

HENDERSON'S BUSH LIMA. The popular baby lima. Grows about 20 inches high. Very productive. Tender beans of delicious flavor. Lb., 35c; 15 lbs. @ 32c; 30 lbs. @ 30c.

POLE LIMA BEANS

KING OF THE GARDEN. An old standby of vigorous growth. Dark green pods containing 4 to 6 large white beans of excellent quality. Lb., 30c; 15 lbs. @ 28c; 30 lbs. @ 25c.

LARGE WHITE LIMA. Tall growing but slender. Dark green pods borne in clusters. Seed very large, fat. Lb., 30c; 15 lbs. @ 28c; 30 lbs. @ 25c.

EARLY JERSEY LIMA. One of the old standbys of the Lima type. Pods average 4 to 4½ inches long. Lb., 30c; 15 lbs. @ 28c; 30 lbs. @ 25c.

FIELD BEANS

NAVY. A sure cropper. Much desired for baking. Dry beans, small, oval, white. Lb., 12c; 25 lbs. @ 10c.

RED KIDNEY. Large flat pods well filled with red kidney-shaped beans. Good dry cooking Bean. Lb., 25c; 25 lbs. @ 20c.

PRICE OF FIELD BEANS IS GOVERNED BY THE MARKET. Ask for quotations on larger quantities, we always sell at the lowest rate consistent with best quality.

BRUSSELS SPROUTS

1 ounce will produce 1500 plants.

BRUSSELS SPROUTS. Delicately flavored variety of cabbage, solid, tender heads clustered along stem. A very delicious dish. Pkg., 10c; oz., 30c; ¼ lb., 80c.



Early Jersey Wakefield.

BEETS

1 ounce will sow 50 feet of row.

DETROIT DARK RED. Flesh a black-red, turning to dark crimson. Uniform in size and ideal for pickling. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

EARLY BLOOD TURNIP. Globe shape beet. Fine for early Spring crop. Flesh tender, rich and crisp. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

CROSSBY'S EGYPTIAN. Matures before any other variety. Roots turnip-shaped, average 2 inches in diameter. Fine for table and canning. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

SUGAR BEETS AND MANGELS FOR STOCK FEEDING

Thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when young, but discontinue as soon as the roots mature, indicated by drying leaves. Store in earth-covered heaps.

GIANT HALF SUGAR ROSE. (95 days). White with a rosy top; flesh pure white.

GOLDEN TANKARD. (95 days). A golden-fleshed mangel; roots half long and very large.

MAMMOTH LONG RED. (115 days). Long, smooth roots of large size.

MAIL PRICE: Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.

SWISS CHARD

SPINACH BEET. Grown for its tender tops, used as greens. Can be used all Summer when spinach is not available. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

CAULIFLOWER

1 ounce to 1500 plants.

EARLY SNOWBALL. Extra early variety producing very compact, fine grained heads of snowy whiteness. Pkg., 10c.

CABBAGE

EARLY VARIETIES

1 ounce to 2000 plants.

COPENHAGEN MARKET. Makes large solid heads early in season. Borne on short stem. Unexcelled as an early cabbage. Pkg., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

EARLY JERSEY WAKEFIELD. Solid pointed head of splendid uniformity. Has little outside foliage allowing close planting. Pkg., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

EARLY WINNIGSTADT. Not quite so early as Wakefield but heads of same size, not so pointed. Hardest headed of early cabbages. Pkg., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

SECOND EARLY VARIETIES

ALL SEASONS. Desirable for early Spring, Summer or Fall use. Heads are very large, flat and of fine quality. Easy growing. Pkg., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

LATE WINTER VARIETIES

DANISH BALLHEAD. Heads nearly round, very solid, well flavored. One of the best for Winter use. Pkg., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

LATE FLAT DUTCH. Immense heads of excellent quality, keeping well all Winter. Heads somewhat flattened but remarkably large. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

RED VARIETIES

MAMMOTH ROCK RED. Largest of the red cabbages with remarkably solid round head. Matures late. Favorite home pickling sort. Pkg., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

SAVOY CABBAGE

AMERICAN DRUMHEAD SAVOY. The fine curled dark green leaves form firm heads that keep well over Winter. Pkg., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

CHINESE OR CELERY CABBAGE

PE-TSAI. Fine vegetable resembling Cos Lettuce. The inner leaves which blanch creamy white may be eaten raw or cooked like asparagus. Pkg., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

CARDOON

LARGE SMOOTH SOLID. A large variety with broad ribs. It grows about 4 feet high. Is almost free of spines. ½ oz., 30c; 1 oz., 50c; ¼ lb., \$2.00; lb., \$8.00.

CELERY

1 ounce to 5000 plants.

GOLDEN SELF-BLANCHING. An early sort requiring but little labor to blanch. Heart rich golden yellow. Pkg., 10c.

WHITE PLUME. A good Fall and Winter sort requiring less earthing up for blanching than other varieties. Pkg., 10c.

CARROT

1 ounce to 100 feet of row.

CHANTENAY. This is stump-rooted, slightly tapered towards bottom. Skin smooth, orange-red in color. Fine flavor. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

DANVERS HALF LONG. Rich orange-red color. Smooth and handsome. The 6 to 7-inch root tapers to a blunt point. Sweet, crisp and tender. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

OX HEART. Roots short, very thick with small tap-root. Color bright orange. Good on heavy soil. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

EARLY CORELESS. New, early half-long, fine grained variety absolutely free from heart or core. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

LARGE WHITE BELGIAN. Suitable for stock feeding. Flesh white. Grows to be a foot long and averages 2 inches in diameter. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., 90c.

CELERIAC

TURNIP-ROOTED CELERY. Variety of celery with turnip-shaped roots having the flavor of celery. Pkg., 10c.

CUCUMBERS

1 oz. will plant 50 hills.

BOSTON PICKLING. Popular as a pickling variety. Vines yield heavily and if fruit is picked regularly will bear through season. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

CHICAGO PICKLING. Another good pickling variety. Fruit medium length, pointed at ends. Deep green in color. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

WHITE WONDER. Beautiful, long, clear white, not even changing color when fruits are mature. Wonderful flavor. Pkg., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

DAVIS PERFECT. A vigorous grower producing excellent flavored fruit from 7 to 9 inches long. Color is rich dark glossy green. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

IMPROVED LONG GREEN. An all round cucumber good for both pickling and slicing. Dark green, tender fruit. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

IMPROVED WHITE SPIKE. Fruit is nearly cylindrical in form. Light green in color, very smooth. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

LONGFELLOW. Grows from 12 to 14 inches long. Deep green. Has appearance of hothouse-grown Cucumber. Color uniform. Oz., 25c; ¼ lb., 75c; lb., \$2.50.

ENDIVE

1 oz. to 150 feet.

BROAD-LEAVED BATAVIAN. A favorite salad variety with wide wavy leaves, edges of which are cut and irregular. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

GREEN CURLED. Standard sort for Fall and Winter crop. Very hardy and vigorous. Easy to blanch. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

WHITE CURLED. Plants 14 to 16 inches across, leaves pale green, finely cut. Crisp and very tender. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

EGGPLANT

1 oz. to 1000 plants.

NEW YORK IMPROVED LARGE PURPLE. Large, nearly round, dark purple, free of thorns and of excellent quality. Pkg., 10c; oz., 40c; ¼ lb., \$1.50.

KALE OR BORECOLE

1 oz. to 200 feet.

DWARF GREEN CURLED. Low growing, with broad twisted and curled leaves. Rich green in color. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

KOHL-RABI

1 oz. to 250 feet.

TURNIP-ROOTED CABBAGE. A table variety having short small leaves; top forms root quickly. Flesh white. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

LETTUCE

1 oz. to 2500 plants.

BIG BOSTON. Early and hardy. Color light green with a slight tinge of brown. Very desirable for forcing. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

GRAND RAPIDS FORCING. Considered best variety. Matures quickly and of large size. Crisp and tender. Bright green and crimped. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

BLACK SEEDED SIMPSON. Produces a compact mass of leaves. Light yellowish green in color. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

EARLY CURLED SIMPSON. Forms a close compact mass of light green crumpled leaves. An old-time favorite. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

IMPROVED HANSON. A head lettuce, large size with light green curled leaves and fringed edges enclosing a solid white heart. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

ICEBERG. Heads are usually solid with thick ribbed incurving leaves. Remains tender and crisp even when grown in hottest weather. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

PRIZE HEAD. Desirable variety for the home garden. Leaves are light brown on the outside, varying to bright green towards center. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

CHICKEN or RABBIT FEED

NEW CHICKEN LETTUCE. Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkg., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

COS LETTUCE

PARIS WHITE COS. Plants erect and tightly folded. Leaves pale green and a good quality. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.50.

LEEK

1 oz. to 100 feet.

LEEK. A fine large variety, very mild and tender. They grow long and thick and are pure white in color. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.25.

LET US EAT MORE LETTUCE. Lettuce is rich in all vitamins and is full of iron. Lettuce is a good appetizer. It is one of the most important of all the leafy vegetables. Lettuce is a wholesome, digestible and agreeable vegetable.

PLANT A "LONG SEASON" GARDEN

Get full garden benefits by making additional plantings or by growing companion crops. The real early vegetables may be followed by others that mature in the fall and you can grow a second crop of the same kind by planting as late as possible and yet escape the first frost.



Improved Long Green Cucumber.

MUSKMELON

1 oz. to 50 hills.

HOODOO (or Hearts of Gold). Medium size, round and distinctly ribbed. The rind and flesh are very firm. Flesh a rich deep orange of sweet spicy flavor. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

OSAGE (or Miller's Cream). Large and oval with light green netted skin and unusually thick sweet salmon flesh. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

BENDER'S SURPRISE. A large melon claiming to be one of the best. Not grown extensively in this section as yet. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

A Favorite on the Market

HONEY ROCK. A new development of medium size; heavily netted. The seed cavity is small and the flesh is thick and sweet. Oz., 20c; ¼ lb., 75c; lb., \$2.50.

BANANA. Looks and tastes like a banana. 20 to 28 inches long. Nearly solid and a delicious flavor. Oz., 20c; ¼ lb., 50c; lb., \$1.50.

HONEY BALL. New, perfectly round, greenish flesh, small seed cavity and edible to the very rind. Oz., 20c; ¼ lb., 75c; lb., \$2.50.

MUSTARD

1 oz. to 100 feet.

SOUTHERN GIANT CURLED. A vigorous growing hardy variety forming a large mass of curled and ruffled leaves. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

WATERMELONS

1 oz. to 30 hills.

SWEETHEART. Good shipper. Fruits are large, heavy, of round form with pale green skin. Flesh is solid and deep red. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

KLECKLEY SWEETS. Fruits average 18 to 20 inches long, oblong shape, dark green skin. Exceptionally sweet. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

TOM WATSON. A large oblong melon that has become a great favorite. The flesh is bright red, of delicious flavor. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

PEERLESS. Very early white-seeded variety. Medium size, thin rind; flesh bright scarlet. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

A Novelty for your Garden

THE WINTER WATERMELON. A home-grown Melon for your Thanksgiving dinner! Genuine midseason form and luscious flavor carried beyond the melancholy days, when frost has bit the pumpkin and corn is in the shock. This is not a "citron," nor a freak, but a very prolific, long-keeping, true Watermelon type of medium size, round shape, yellowish rind with flesh bright red, crystalline, sweet as honey. Take fruit from field before frost, and store in cool cellar. Pkg., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

ONION

1 oz. to 100 feet.

SOUTHPORT WHITE GLOBE. Flesh pure white, fine grained with mild flavor. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

SOUTHPORT RED GLOBE. Bulbs are good size, globe shaped with bright red skin. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

SOUTHPORT YELLOW GLOBE. Pale straw colored skin and mild flavor, have made this a very popular variety. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

WHITE PORTUGAL. Large with silver-white skin and white flesh which is mild flavored. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.25.

YELLOW GLOBE DANVERS. Good size and splendid keeper. Flesh is mild flavor. Perhaps the best. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00.

PRIZETAKER. One of the largest Yellow Globe Onions. When grown under glass often attain immense size. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.00.

EAT MORE ONIONS. They purify and enrich the blood; they contain vitamins B and C in good quantities; also mineral salts, calcium and iron.



Little Gem Peas.

GARDEN PEAS

1 lb. to 50 feet.

ALASKA. An extra early round smooth blue pea. Height 2 feet. Very uniform and a favorite canning variety. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

AMERICAN WONDER. A fine extra early wrinkled variety. Height 1 ft. Flavor and quality excellent. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

LITTLE MARVEL. An early dwarf variety growing to 15 inches. Bears tightly filled twin pods. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

LITTLE GEM. A dwarf variety 18 inches high. Enormously productive. Peas are medium size. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

TALL TELEPHONE. A strong grower and enormously productive. Medium green color. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

DWARF TELEPHONE. Resembles the tall Telephone in everything but height. Grows 18 inches. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

NOTT'S EXCELSIOR. A popular pea slightly taller than American Wonder. Pods tightly filled. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

GIANT LAXTONIAN. A dwarf type, extra early Pea with large, Telephone-like pod; exquisitely flavored. Pkg., 10c; lb., 30c; 15 lbs. @ 25c; 30 lbs. @ 22c.

TWO POUNDS OF PEAS EQUAL ABOUT ONE QUART

PARSLEY

1 oz. to 150 feet.

CHAMPION MOSS CURLED. Forms a dense growth of dwarf curled and crimped leaves of rich green. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., 90c.

HAMBURG OR TURNIP-ROOTED. The fleshy root resembles a parsnip and is used for flavoring soups, etc. Pkg., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

PARSNIP

1 oz. to 150 feet.

IMPROVED HOLLOW CROWN. Roots of medium length. Skin is white, smooth and the flesh is sweet and tender. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

OKRA OR GUMBO

1 oz. to 100 feet.

Imparts a rich flavor to soups, stews, etc. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

PEPPERS

1 oz. to 1000 plants.

LARGE BELL OR BULL NOSE. Large, early, scarlet variety. Flesh is thick and usually of mild flavor. Pkg., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

RUBY KING. Fruits 5 inches long. Flesh thick and mild. Dark green turning to ruby red. Heavy producer. Pkg., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

CHINESE GIANT. Very large, bright scarlet. Flesh is thick and sweet. Late maturing. Pkg., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$6.00.

PIMIENTO. Sweetest pepper grown. Peppers medium size and of a shape desirable for filling. Pkg., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

LONG RED CAYENNE. Pods are long and slender, bright red and very pungent. Used extensively. Pkg., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.

SWEET MOUNTAIN. It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet, mild flavored. Oz., 30c; ¼ lb., \$1.00; lb., \$3.75.

PUMPKINS

1 oz. to 25 hills.

CONNECTICUT FIELD. One of the best for field planting. Grown largely for stock feeding. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$0c.

SMALL SUGAR PIE. Best pie pumpkin. Fruits are 10 inches in diameter, but of excellent quality. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

RADISH

1 oz. to 100 feet.

CRIMSON GIANT. Twice the size of other round varieties. Are mild and very tender. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY SCARLET TURNIP. It is a quick grower of round form and has mild crisp flesh. A very early sort. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

FRENCH BREAKFAST. Desirable for forcing and early planting. Oblong shape, pink above and white below. Mild. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

SCARLET TURNIP, WHITE TIPPED. Deep scarlet in color with white tip. Very attractive in appearance. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

LONG SCARLET SHORT TOP. Long, bright scarlet, 6 or 7 inches long with small top. Brittle and crisp. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EARLY SCARLET GLOBE. Extra early forcing Radish. Roots nearly round, and of bright scarlet color. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

WHITE ICICLE. Pure white, almost transparent and very tender. Matures earlier than other white Radishes. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

CHINA ROSE WINTER. Sown in Fall seed will produce 5-inch roots of deep rose color, keeping well into Winter. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

LONG BLACK SPANISH. Good Winter variety. Skin is almost black but flesh pure white and sweet. Plant in Fall. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

EAT MORE RADISHES. Contain some vitamin B; also mineral salt, calcium, sodium, iron, phosphorus. Radish juice and sugar is good for hoarseness.

RUTABAGA

AMERICAN PURPLE TOP. Also called Swedish Turnip. Yellow roots are purple at top and oblong in shape. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

SAGE

A perennial herb much used in cooking. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

SALSIFY

1 oz. to 50 feet.

MAMMOTH SANDWICH ISLAND. Called vegetable oyster. Large size with yellowish smooth skin. Mild and well flavored. Pkg., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

SEEDS IN QUANTITY

Market Gardeners and Public Institutions who buy Vegetable Seeds in large quantities send us a list of your requirements for special prices, as we can frequently make substantial reductions on large orders.

SWEET CORN

1 pound will plant 100 hills.

GOLDEN BANTAM. Early cream yellow corn, recognized as one of the finest for the home garden. Plants are dwarf and ears small. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

BANTAM EVERGREEN. Cross between Golden Bantam and Stowell's Evergreen; therefore, resembles both. A yellow corn. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

COUNTRY GENTLEMAN. A late corn, good sized ears. A white corn, tender and delicious. Stalks average seven feet high. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

EARLY EVERGREEN. Resembles Stowell's Evergreen but ready for use 10 days earlier. Ear grows to good size. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

STOWELL'S EVERGREEN. A well known variety. Very productive, bearing fine large ears 8 inches long. Even rows on thin cob. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

POP CORN

JAPANESE HULLESS. A dwarf growing corn similar to White Rice but longer and slimmer and pearly white in color. A fine popper. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

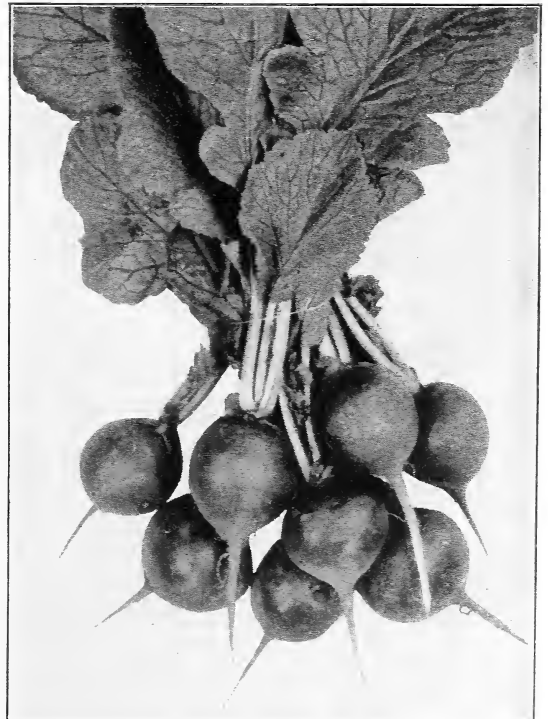
QUEEN'S GOLDEN. A productive variety with quite large, golden yellow kernels. Pops to a pure white color. ½ lb., 15c; lb., 25c; 15 lbs. @ 23c; 30 lbs. @ 20c.

Grow Popcorn and Peanuts for Winter Evenings

½ lb. Japanese Hulless Popcorn20c
1 lb. Mammoth Virginia Peanuts40c
SPECIAL POSTPAID PRICE50c

PEANUTS

MAMMOTH VIRGINIA. Larger than the Spanish type. Mild, sweet flavored, bearing two or three nuts in each pod. ¼ lb., 15c; ½ lb., 25c; lb., 40c.



Early Scarlet Turnip Radishes.

SQUASH

1 oz. to 25 hills.

EARLY WHITE BUSH SCALLOP. A good shipper, matures early. Flat scalloped fruits, creamy white in color. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

SUMMER CROCKNECK. Early variety with extra large fruit. Flesh rich yellow color and of good quality. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

CHICAGO WARTED HUBBARD. Largest and best of the rough skinned Hubbards, rich dark green color. Flesh rich and dry. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

GOLDEN HUBBARD. Earliest and most prolific of the Hubbards. Skin orange-red. Good keeper. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

TABLE QUEEN. Small Squashes, 7 inches long and 3 inches thick. Ridged and scalloped. Excellent quality. Pkg., 10c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

BANANA. Large, whitish green fruit. Measure 2 to 3 feet long. Quite thick. Pkg., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

SPINACH

1 oz. to 100 feet.

leaves. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 65c. variety, produces a profusion of thick fleshy crimped leaves. Pkt., 10c; oz., 10c; ¼ lb., 25c; lb., 65c.

THICK LEAF. One of the best market sorts. Produces an abundance of heavy crimped leaves. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 65c.

LONG STANDING. Forms compact thick tufts with numerous broad leaves. Dark green and crumpled. Sow every three weeks. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 65c.

NEW ZEALAND. Not related to regular Spinach. Stands all Summer and produces a continuous supply of good quality leaves. Pkg., 10c; oz., 10c; ¼ lb., 30c; lb., 85c.

KING OF DENMARK. New variety, forms compact bushes with thick, crumpled leaves. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 65c.

TOMATO

1 oz. to 1500 plants.

CHALK'S EARLY JEWEL. Week later than Earliana. Solid red fruit uniform in size. A good yielder. Pkg., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

EARLIANA. Very early and productive. Deep red fruit crowded in clusters all over the plant. Uniform size. Pkg., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

JOHN BAER. Very early, maturing in 110 days. Large well shaped red fruit of fine flavor. Very productive. Pkg., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

HENDERSON'S PONDEROSA. Size massive, frequently weighing a pound or more. Deep purple-red color. Fine slicer. Pkg., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.25.

NEW STONE. Used extensively by canning factories. Large smooth bright scarlet fruit. A good main crop variety. Pkg., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.00.

MARGLOBE. Claimed to be wilt resistant. Fruit of medium size. Fruit grows in clusters of five and seven. Pkg., 10c; oz., 40c; ¼ lb., \$1.35; lb., \$4.50.

DWARF CHAMPION. A dwarf or tree type. Fruit is pink. Smooth and a medium size. Pkg., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

BEEFSTEAK. A big late scarlet fruited variety. Fruits very solid, smooth and rather flattened in shape. Pkg., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

RED HEAD. An exceptionally fine large bright red sort. Nearly globe shape. Pkg., 10c; oz., 35c; ¼ lb., \$1.25; lb., \$4.00.

OXHEART. Perhaps the largest tomato grown. Oxheart in shape and good table quality. Pink skin. Pkg., 10c; ¼ oz., 20c; oz., 75c; ¼ lb., \$3.00.

PENN STATE EARLIANA. A valuable strain of the Earliana type with uniform, smooth fruits of medium size. An early variety and immensely productive. Bright scarlet, smooth skin. Best suited for medium and sandy soils. Pkg., 10c; oz., 40c; ¼ lb., \$1.50.

YELLOW PLUM. Small pickling Tomato. Pkg., 10c; oz., 45c.

RED PEAR. Small pickling Tomato. Pkg., 10c; oz., 45c.

TURNIP

1 oz. to 200 feet. 2 lbs. per acre.

WHITE EGG. For Spring or Fall planting. Skin is thin and white, egg-shaped, growing to good size. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

PURPLE TOP WHITE GLOBE. Of globe shape showing rich purple red color above ground and white below. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

PURPLE TOP STRAP LEAF. Standard early variety. Roots purple, red and white. White flat. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

YELLOW ABERDEEN. Large smooth roots of perfect globe shape with rich yellow skin and flesh of excellent quality. Pkg., 10c; oz., 10c; ¼ lb., 25c; lb., 75c.

MUSHROOM

Culture. One brick of spawn is sufficient for 8 square feet of prepared bed. Special cultural hints sent with every order.

Brick (about 1 lb.), 50c; 5 bricks, \$2.25; 10 bricks, \$4.00, postpaid.

SWEET AND MEDICINAL HERBS

Sow during May or June, in drills 1 foot apart, covering very lightly and when well up thin out or transplant to 6 inches apart in the row. Cut these plants before in full bloom, tie in bunches, and hang in the shade to dry, after which place in boxes or bottles for Winter use.

ALL HERB SEED 10 CENTS A PACKET

CARAWAY. For flavoring liquors or bread.

CHERVIL. Used in soups and salads.

CHIVES. Used in seasoning.

DILL. Used in flavoring vinegar.

LAVENDER. For oil and distilled water making sachets.

MARJORAM. Used in seasoning.

ROSEMARY. Used for seasoning.

SAGE. Used in seasoning and as a medicine.

SAVORY. Used in seasoning.

SORREL. Can be used like spinach.

SWEET BASIL. Used in seasoning.

SWEET FENNEL. Used in flavoring.

THYME. Used in seasoning.

ONION SETS

YELLOW ONION SETS. These yellow sets are sure to form larger onions than any other sets. Per lb., 15c.

WHITE BOTTOM SETS. Milder than yellow and preferred by some on account of their color. Per lb., 20c.

TOP OR WINTER ONION SETS (Perennial). Live in the ground all Winter and start very early in the Spring. Per lb., 15c.

MULTIPLIER ONION. Also called bunch onions or potato onion. Excellent for early Spring onions. Per lb., 15c.

BERMUDA ONION PLANTS. Seed is planted early in Texas and plants lifted to produce onions of Bermuda quality in northern gardens. Planted like onion sets and easy to grow. Per bunch of 100, 15c; 1000, \$1.25.

GARLIC SETS

Used for flavoring, 150 days.

A bulbous root of the onion type, esteemed for flavoring soups, stews, etc. ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.75; 10 lbs., \$3.00, postpaid.

Seed Potato Buyers Please Note

At the time of going to press with this catalog the Potato market was not settled and we were unable to name prices. Please write, stating kind and quantity wanted, and we will quote by letter.

Pumpkins are a good feed for dairy cows. One ton of Pumpkins is equal in feeding value to about 400 pounds of mixed hay or 800 pounds of corn silage.

BOOK ON TRANSPLANTING

This book will be mailed to each and every customer for 1931, free of charge. Sent immediately upon receipt of order.

HELPFUL HINTS TO VEGETABLE GARDENERS

Order your seeds early so that you can take advantage of the first signs of spring. Plant small, quick growers like lettuce, radishes, etc., between the rows of larger, slower maturing sorts. In the case of early sorts such as spinach, start tomatoes, corn, etc., between the rows to occupy the ground after the former is harvested.

Never cultivate or handle any kind of beans when the vines are wet. This is the easiest way to spread a serious disease and ruin the crop.

Success against weeds means keeping them out, not taking them out after they get in.

To insure a succession of such plants as peas, beans, lettuce, radishes, beets, kohlrabi, etc., sow a fresh row every week or so.

VEGETABLE PLANTS

The planting of good vegetable plants will help you to the early market prices. We are in position to furnish the following by the dozen, hundred or the flat. Ready May 1st.

TOMATO, CABBAGE, PEPPER, CAULIFLOWER, EGG-PLANT, ONION.

BEDDING PLANTS

Annual flower plants for bedding are available in both flats and individual pots. Your window boxes, beds and vases will give immediate effect by using these.

SALVIA, MARIGOLD, ASTERS, ZINNIA, PETUNIA, SNAPDRAGON, VERBENA, PANSY, ETC.

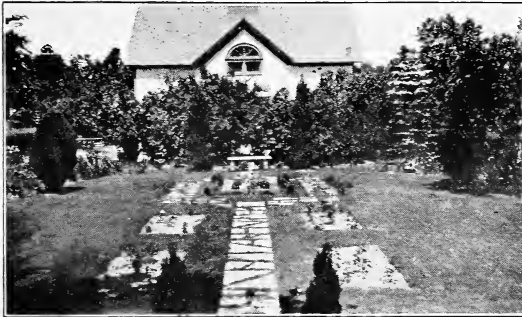
Write for special prices if unable to call. We ship anywhere.

(See table of planting on page 31).

Bermuda Onion Plants

These will make large, sweet Onions for the table in a very short time. Full description on page 8.

Price: 100 plants, 15c; 500 plants, 65c; 1000 plants, \$1.25, prepaid.



Vigoro and good lawn seed made this Cutler & Downing planting a success.



Have a green lawn all summer

When lawns lose their bright green color it is because they are starving. Water alone will not sustain them. To keep your lawn a luxuriant green in *hot-test* summer we recommend feeding it Vigoro, the complete balanced plant food. Vigoro is clean, odorless, inexpensive and easy to use.

A Swift & Company product.

VIGORO

*Complete plant food for lawns,
gardens, flowers, trees and shrubs*

12 ozs., 10c; 5 lbs., 50c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00. We deliver.

Notice to Seed Buyers

We want you to know that whether you call at our store in person or send your order by mail, you will receive from CUTLER & DOWNING CO. the best in seed that can be obtained, and at a price that cannot be duplicated from mail order houses. Let us fill your wants this year and be convinced.

We Have Served This Community for Twenty-Six Years

LAWN GRASS SEED

GLOBE MIXTURE. We offer for sale the very best lawn grass seed obtainable. We not only offer it for sale in our store but use tons of it in the construction of lawns throughout this section. Using it ourselves, we cannot afford to experiment with an inferior, cheap quality of seed. This mixture contains the choicest grasses to make a perfect lawn. Price, per lb., 50c.

SHADY SPOT MIXTURE. This is the same quality as the above mixture only that it is better adapted to growth under shady conditions. Price, per lb., 50c.

SEEDTOWN. We have this high grade seed in both regular and shady. Priced at 65c per lb.

WHITE DUTCH CLOVER. This is very good seed to use in renovating old lawns, especially on sandy soil, as this plant roots deeper than any other variety of grass and is not affected so much by drought. Price, per lb., 60c.

KENTUCKY BLUE GRASS. Price, per lb., 45c.

CHEWINGS FESCUE. Price per lb., 50c.

CREeping BENT GRASS. Price per lb., \$1.00.

FANCY RED TOP. Price, per lb., 40c.

Ask for special quantity prices.

Quantity of Grass Seed to Sow

1 pound will sow a plot	15x 20 feet	300 sq. ft.
5 pounds will sow a plot	40x 50 feet	2000 sq. ft.
25 pounds will sow ¼ acre	100x108 feet	10800 sq. ft.
100 pounds will sow 1 acre	209x209 feet	43681 sq. ft.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

FLOWER SEEDS

Here you will find the largest assortment of flower seeds to be found in this section. All fresh and tested.

Sweet Alyssum.	Portulaca.
Strawflower.	Nasturtium.
Coreopsis.	Marigold.
Chrysanthemum.	Moonvine.
Bachelor Button.	Petunia.
Giant Asters.	Sweet Peas.
Snapdragon.	Poppy.
Cosmos.	Evening Primrose.
Balsam.	Salvia.
Cockscomb.	Sweet William.
Kochia.	Zinnia.
Heliotrope.	Ten Weeks Stocks.
Candytuft.	Verbena.
Morning Glory.	Phlox.
Mignonette.	Wallflower.
Four O'clocks.	Scabiosa.
Larkspur.	Ageratum.
Hollyhock.	Calendula.
Pansy.	Cardinal Climber.

Large package, 10c.

Many popular varieties for sale in bulk.

WINDOW BOX SPECIAL

Material for a Box 30 x 10 x 10 Inches.
This will make a full, tight fit.

FRONT VINES—3 English Ivy	3	inch pot
2 Vinca Major Variegata	4	inch pot
2 Asparagus Sprengeri	4	inch pot
BACK ROW—1 Fuchsia	4	inch pot
2 Geraniums	4	inch pot
2 Coleus	2½	inch pot
2 Browallia	2½	inch pot
FILLERS—6 Petunias (Single)	2½	inch pot
2 Dusty Miller	2½	inch pot

VALUE, \$4.75. **\$4.10**
BY MAIL FOR

Ask for a "PLEASE KEEP OFF THE GRASS" Sign. They are Free.

If you live within driving distance it will pay you to visit our store and nursery. We are glad, however, to pay charges on anything you need in our line, regardless of where you live.

FARM SEEDS

We have in stock at all times most any variety of farm seed desired. We handle only Dickenson's Pine Tree Seed which we believe to be superior to any farm seed on the market. Prices are subject to market conditions and for that reason not quoted herewith. Write for special quotation.

Wheat.
Red Medium Clover.
Mammoth Clover.
Alsike or Swedish Clover.
Sweet Clover.
Crimson Clover.
White Dutch Clover.
Buckwheat.
Millet, Hungarian.
Beans.
Alfalfa, Montana.
Alfalfa, Grimm.
Dwarf Essex Rape.

Winter Vetch.
Cow Peas.
Canada Field Peas.
Barley.
Oats.
Millet, German.
Rye.
Sunflower.
Timothy.
Sudan Grass.
Soy Beans.
Orchard Grass.
Field Corn.

RE-CLEANED GRASS SEEDS

Our grass and clover seeds will more than pass any state requirements as to purity, and will please the most critical buyers. We handle only the finest and cleanest grades procurable. So much depends upon grades that prices vary greatly in all grass seeds.

HOW TO MAKE A LAWN

The successful keeping as well as making of a beautiful lawn lies most largely in the thorough preparation before a seed is sown. If there is grading to be done the top soil to the depth of 6 to 8 inches should be first removed to one side; finish with the top soil after the grade is complete.

This should be thoroughly harrowed and raked to reduce to as fine a condition as possible, as well as to level it, as nothing detracts so much from the appearance of a lawn as an uneven surface. Sow the seed as early in the spring as convenient, the earlier the better if the soil is in good condition, scattering it in both directions at right angles to each other, which will give a more even distribution. After the seed has been sown it should be raked lightly, then thoroughly rolled.

No one kind of grass will make a lawn that will keep beautifully green all through the season, but a mixture of several is essential. Our mixture is a splendid exemplification of scientific knowledge and practical treatment, giving quick, sure and satisfying results unsurpassed by any general lawn mixture on the market.



There is nothing quite so pleasing to the eye as a great expanse of well kept lawn. Cutler & Downing seed is your best insurance of satisfactory results.

APPLES

The first fruit of importance is the Apple. Its period of ripening extends quite through the entire year. By making careful selections of Summer, Fall and Winter sorts, a constant succession can easily be obtained.

SUMMER APPLES

DUCHESS. A very valuable commercial variety. One of the best cooking Apples. Above medium size, attractive red stripe; good shipper.

EARLY HARVEST. Pale yellow with faint blush, medium size. One of the earliest Apples. Excellent for eating or cooking.

GOLDEN SWEET. Medium size, yellow, rich and sweet. Home Apple or for local market. Tree healthy, bears young and heavily.

YELLOW TRANSPARENT. The best extra early Apple for commercial purposes. Reliable bearer, good quality, yellowish white Apples of large size.

FALL APPLES

BALDWIN. A good commercial variety in the North. Large red eating Apple. Good shipper and keeper.

HUBBARDSTON. Good commercial variety; early Winter Apple. Good eating but poor cooker. Large, highly colored red with little yellow.

MCINTOSH. Bright deep red, of good size, very delicious, perfumed. Fine for local market and fancy trade. Tree productive.

WEALTHY. Particularly valuable for commercial orchards in cold climates. Bright red, medium to large, good quality.

WINTER APPLES

DELICIOUS. Large, brilliant red Apple of best eating quality. A good storage and shipping Apple. One of the best commercial varieties.

FAMEUSE (SNOW). One of the best dessert Apples. White, tender flesh, dark red skin. Sells at a premium in market. October through December. Medium size.

GRIMES GOLDEN. Deep yellow with dots of russet. Medium to large fruit, good quality, not a good keeper but much in demand in the market.

JONATHAN. One of the best commercial varieties. Medium sized, brilliant dark red Apple, very good quality. Tree bears young, often biennially.

NORTHWESTERN GREENING. For eating and cooking. Medium to large, clear pale yellow or green.

NORTHERN SPY. Dependable commercial variety for both eating and cooking. A late bearer but very prolific; fruit large; highly colored, glossy bright or striped red.

RHODE ISLAND GREENING. One of the best cooking and eating Apples. Medium to very large, green to yellow fruit. Probably the most popular green cooking Apple.

STAYMAN WINESAP. Often said to be the best Winesap. Fine southern Apple for market and home use. Medium to large, red.

TOLMAN SWEET. Below medium size. Attractive yellow Apple for special market for cooking.

WINTER BANANA. Clear pale yellow with pinkish red blush; fine eating. Large, good quality.

CRAB APPLES

HYSLOP. Fruit large, dark red, good for cooking. Tree hardy and reliable.

Prices on Apples:

	Each	10	100
2-Yr. 9/16" to 11/16", 3' to 4' ...	\$0.50	\$4.00	\$30.00
2-Yr. 11/16" and up, 4' to 5' .....	.60	5.00	40.00

We pay postage and freight if cash accompanies order. Quantity price applies on deliveries direct from yard.

C. & D. Co.

"FAMILY" APPLE GROUP

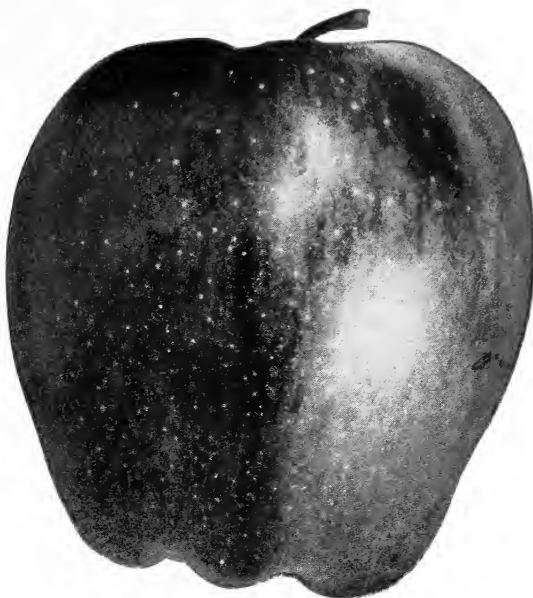
YELLOW TRANSPARENT
DUCHESS
MCINTOSH

R. I. GREENING
JONATHAN
DELICIOUS

No. 1 Size.
List Price
\$3.60.

THE SIX TREES
EXPRESS PAID

\$3.00



Delicious Apple.

PEARS

Pear Trees do well on most any kind of soil but thrive best on heavy clay or loam. They should be planted 18 ft. or 20 ft. apart.

ANJOU. Tree vigorous and healthy, early to bear. Fruit greenish, crimson blush, medium size.

BARTLETT. A good commercial, late Summer Pear, well known on the market. Large, clear yellow, blushed. Flesh sweet and of very good quality.

BEURRE BOSC. Large, yellow, much russeted, of best quality. Makes poor growth in the nursery row but is hardy, productive, and healthy in the orchard.

BEURRE CLAIRGEAU. Large yellow shaded with orange and crimson. Good quality. Fruit more suitable for cooking than for eating.

CLAPP FAVORITE. Lemon-yellow faintly splashed with crimson. Usually the first market Pear.

SECKEL. One of the richest, best flavored European Pears. Small, yellow with red cheek, with much russet. Very free from blight.

WILDER EARLY. Liberal bearer, medium size, bright yellow with flaming cheek, almost coreless. A good early market Pear.

KIEFFER. Large, Japanese Winter Pear. A fine market variety; cross of Bartlett and Chinese Sand Pear. A beautiful growing tree for planting along drives.

Prices on Pears:

	Each	10	100
2 Yr., 9/16" to 11/16", 3' to 4'	\$0.65	\$5.50	\$40.00
2 Yr., 11/16" and up, 4' to 5' .....	.75	6.50	50.00

We pay postage and freight if cash accompanies order. Quantity price applies on deliveries direct from yard.

GROW YOUR OWN FRUIT

The home orchard is coming back into popularity. People are beginning to realize the value and convenience of having an orchard, and are recognizing the superior quality of home-grown fruit. More and more people are experiencing the joy of having fruit that they may give to their friends, or having all the fruit they can use and present to their visitors. Too, people are discovering that a few fruit trees in the back yard furnish as much shade and are equally as attractive as the ordinary ornamental trees.

PEACHES

Peaches are our specialty. We are the largest distributors of guaranteed true-to-name Northern grown Peach trees in Southwestern Michigan. You cannot well afford to chance the planting of anything but a CUTLER & DOWNING Peach tree.

ADMIRAL DEWEY. Very good quality. Ripens same as Triumph. Freestone, yellow, very downy. Tree strong grower, hardy and productive. July 28th to August 5th.

CARMAN. Twenty-four days before Elberta. White, semi-free, large, and good. A beautiful Peach, dark red flushed; fine for fancy trade. Tree very hardy, not susceptible to disease and very productive. August 15th to 20th.

EARLY CRAWFORD. Probably the most commonly grown, early, yellow-fleshed Peach. Very handsome, skin yellow with dark red blush. Quality unsurpassed, a good Peach for market or home orchard. Tree large and vigorous. September 1st to 10th.

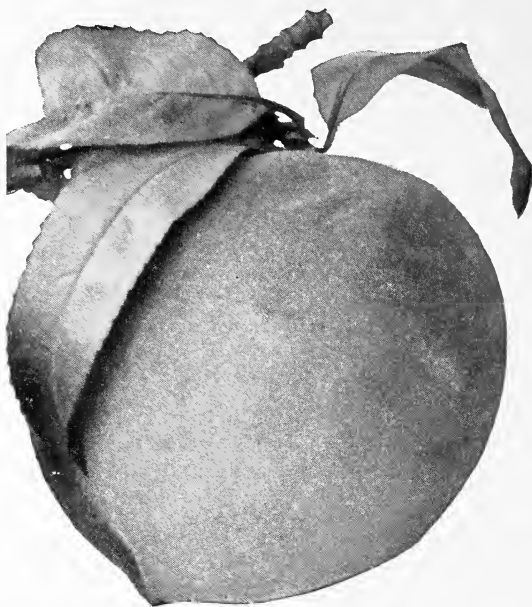
ELBERTA. The most widely planted and most popular market Peach. Very adaptable to different soils and climates. Trees always bear well, are very resistant to disease; are large, vigorous, early bearing, and long lived. Fruit is well flavored, yellow fleshed, freestone, very large, and good quality. It is an especially long keeping and good shipping fruit. September 10th to 20th.

ENGLE (MAMMOTH). Tree is more productive than Crawford. Fruit is large and of very good quality; pale yellow with bright red blush. Tree vigorous, hardy and young bearer. September 15th to 20th.

GOLD DROP. A strictly Michigan Peach. Somewhat transparent, golden skin and flesh, very distinctive. Medium size, light red blush, fine flavor. Tree of medium size and vigor, hardy and productive. September 26th to October 1st.

J. H. HALE. One of the largest Peaches, yellow, freestone, and very good quality. Only twelve years on the market and already Elberta's strongest competitor. Slightly better quality, same beautiful coloring, larger, a better shipper and keeper. Like Elberta in other characteristics. September 5th to 10th.

KALAMAZOO. Another Elberta competitor, better quality, but not so showy nor productive. Ripens with Late Crawford, a week after Elberta. Ordinarily a medium sized Peach but large if properly thinned. Fruit very high quality for eating or cooking. Skin light yellow with pink flush, flesh yellow, freestone. Tree large and vigorous. September 20th to 25th.



J. H. Hale Peach.

LATE CRAWFORD. Yellow, freestone, very large and very good. A fine standard variety. Skin yellow, crowded with soft tints of red and orange. A beautiful Peach for fancy trade. Freestone. Tree is adapted to many soils and climates, and is vigorous, hardy and healthy. September 20th to 30th.

NEW PROLIFIC. Tree exceptionally vigorous, hardy, healthy and productive. Fruit medium size, yellow, freestone, ripening about a week before Elberta. September 1st to 5th.

SOUTH HAVEN. Recently introduced under this name and also called IREY. Large, yellow freestone. Ripens with Rochester and very popular in some sections.

ROCHESTER. One of the best of early yellow freestone Peaches. A fine orchard variety rapidly coming into wide use. A Crawford strain preceding Early Crawford several days. Large, covered with mottled red blush. Flesh yellow stained with red at the pit, very good quality. August 15th to 26th.

SALBERTA. September 28th to October 5th. A highly successful cross between Salwey and Elberta. It combines the size, quality and productiveness of Elberta, with the more profitable season of ripening of Salwey. A freestone; rich, yellow and juicy, it has already earned its place on the market.

YELLOW ST. JOHN. Much planted in commercial Peach growing sections. One of the earliest of the Crawfords. Freestone, handsome, and of delicious flavor. Tree is vigorous and hardy. August 20th to 25th.

Prices on Peaches:

	Each	10	100
No. 1. 9/16" and up, 4' to 5'	\$0.35	\$3.00	\$25.00
Med. 7/16" to 9/16", 3' to 4' .....	.30	2.50	20.00
*No. 2. 5/16" to 7/16", 2' to 3' .....	.25	2.00	15.00

*This small grade is not always obtainable. Orders are subject to our confirmation.

We pay postage and freight if cash accompanies order. Yard price same as quantity price.

WATCH BILL'S TREES



Cutler & Downing Co.,
Benton Harbor, Mich.

Eau Claire, Mich., Feb. 2, 1931.

Gentlemen:—In the spring of 1928 I purchased 1570 No. 1 peach trees of your firm. The enclosed picture of the orchard was taken in late summer, 1929. The first season I lost only three trees.

At 7:00 a. m., January, 1930, official Weather Bureau thermometers on this farm registered 20 degrees below zero. During the past summer these trees endured a severe drought combined with extremely high temperatures up to 103 degrees.

A careful checkup at the present time shows 1541 trees, or 98 per cent of the original setting in a healthy, vigorous condition and heavily loaded with fruit buds. These figures tell the story plainer than I can in words. I feel confident that should this orchard prove a success it will be due primarily to setting **FIRST CLASS TREES**. I have observed that the profitable orchards in Berrien County are those with nearly a full stand of trees and such orchards are not grown from just ordinary nursery stock. I believe in the past four years I have bought over 4000 Cutler & Downing trees.

Anyone who is planning on setting out trees is welcome to come up and inspect this orchard.

Sincerely yours,

W. W. TEICHMAN.

C. & D. Co. "SELECT SIX" POPULAR PEACHES

Early—Medium—Late—All You Need for Family Use.
Strong No. 1, 4 to 5 ft. Size.

**CARMAN
ROCHESTER
GOLD DROP**

**ELBERTA
J. H. HALE
SALBERTA**

List Price, THE SIX TREES \$2.10, EXPRESS PAID **\$1.85**

CHERRIES

We divide Cherries into two groups, sweet and sour, although some varieties are rather midway between. The Sweet Cherry has the large leaves and tree, and makes a fine ornament, but generally is not so productive of fruit, while the Sour Cherry is a heavy producer at an early age. Its fruit is very valuable for canning and cooking of all sorts. Either sort of tree is satisfactory for the commercial or home orchard.

SWEET CHERRIES

BING. A large sweet Cherry of very high quality. Color very dark red. Tree large, vigorous and productive.

BLACK TARTARIAN. One of the best sweet commercial Cherries for the northern states. Very adaptable to soils and climates. Purplish red Cherries of medium size and excellent quality.

GOV. WOOD. A fine variety for the home orchard. Vigorous early bearing trees. Cherries crimson on yellowish white background. Flesh soft, sweet, and very good quality.

LAMBERT. One of the handsomest dark sweet Cherries. Flesh and flavor excellent with the color of dark wine verging on black.

MAY DUKE. Fruit early, large, dark red and very good quality. A very good orchard variety were it not that Cherries require several pickings. This is an asset, however, in a tree for a home orchard.

NAPOLEON. The leading firm-fleshed sweet Cherry. Large size, handsome. Excellent for eating, cooking, or canning. Also a good keeper and shipper.

SCHMIDT. One of the largest black sweet Cherries. Of extra good quality and well suited to commercial orchards. Midseason. Tree large, vigorous, and productive.

WINDSOR. A standard late sweet Cherry and one of the most profitable of the hard-fleshed Cherries. Fruit is dark red to black, of very good quality and stands shipping well.

Prices on Sweet Cherries:

	Each	10	100
2-year, 11/16", 4' to 5'	\$0.75	\$6.50	\$50.00
1-year, 11/16", 4' to 5' .....	.65	6.00	45.00
1-year, 9/16", 3' to 4' .....	.60	5.00	40.00

SOUR CHERRIES

LARGE MONTMORENCY. The best and largest sour Cherry grown for market and canning, ten days later than the Early Richmond, is dark red, very firm, one of the best flavored sour Cherries. A regular bearer of enormous crops, brings good prices and ships well, in fact is the best market cherry.

EARLY RICHMOND. One of the leading sour Cherries and the earliest of the good ones. Cherries are light or dark red, medium size, and fair in quality. Used for canning. Can be grown profitably in almost any part of the country.

ENGLISH MORELLO. Late sour Cherry. For home, market, and canning factory uses, not for eating. Large dark red, almost black. Trees small, vigorous, and productive.

Prices on Sour Cherries:

	Each	10	100
2-year, 11/16", 4' to 5'	\$0.75	\$6.50	\$50.00
1-year, 11/16", 4' to 5' .....	.65	6.00	45.00
1-year, 9/16", 3' to 4' .....	.60	5.00	40.00

We pay postage and freight if cash accompanies order. Yard price same as quantity price.

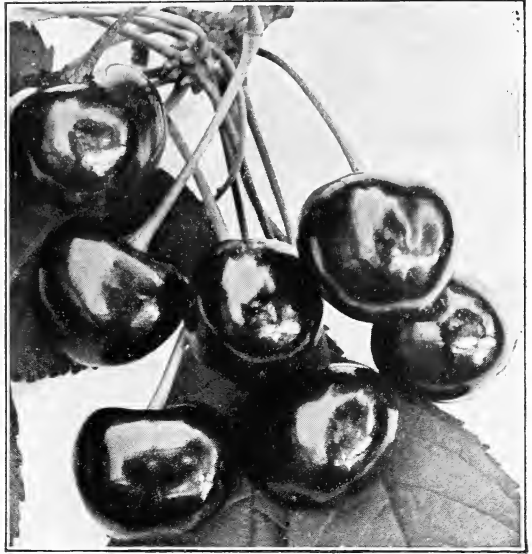
Cherries are in great demand this season and we look for a noticeable shortage by planting time. We, therefore, suggest that you order as soon as possible. You can't go wrong on CUTLER & DOWNING'S guaranteed TRUE TO NAME trees.

PLUMS

BRADSHAW. One of the most popular orchard varieties. Bears regularly and heavily. Very resistant to scale. Fruit midseason, dark reddish purple, large, attractive, and good shipper and keeper. Stone semi-free.

GERMAN PRUNE. Large, vigorous, healthy, productive tree. Fruit small; fine for drying or cooking, tart, freestone, dark purple.

GRAND DUKE. The favorite late shipping Plum for the northern states. Tree slow to come to bear but hardy, very prolific, regular bearer. Unusually large, dark purple, good flavored fruit; clingstone.



Montmorency Cherries.

GREEN GAGE (Reine Claude). Tree small, very prolific. A profitable market variety. Fruit golden, very good quality, medium size. Semi-cling.

LOMBARD. Probably the most widely grown Plum. Very adaptable as to soil and climate, constant prolific bearer. Fruit medium size, dark purplish red, fair quality, stone nearly free.

MONARCH. Beautiful purple Plum above medium size. Clingstone. Good quality all-purpose Plum. Tree medium size and vigorous.

Prices on Plums:

	Each	10	100
2-year, 11/16" and up, 5' and up	\$0.65	\$5.50	\$40.00
2-year, 9/16" to 11/16", 4' to 5' .....	.50	4.00	30.00

We pay postage and freight if cash accompanies order. Yard price same as quantity price.

APRICOTS

ALEXANDER. Sweet and juicy, medium to large, oblong, with orange-yellow skin spotted with red. A Russian variety of good quality, freestone. Tree a good bearer. 1st of July.

EARLY GOLDEN. Small, nearly smooth skin, pale orange. Flesh sweet, very good quality. Freestone. Kernel of pit sweet. July 15th.

QUINCES

CHAMPION. Large bright yellow, tender, and delicate Quince of good quality. Very suitable for commercial orchards as fruit keeps and ships well. Midseason.

ORANGE (Apple). Large, with fine golden, firm flesh of excellent flavor. Tree prolific. Ripens soon after mid-autumn.

Prices on Apricots and Quinces:

	Each	10	100
2 Yr., 11/16", 4' to 5'	\$0.75	\$6.50	\$60.00
2 Yr., 9/16" to 11/16", 3' to 4' .....	.65	6.00	50.00

We pay postage and freight if cash accompanies order. Yard price same as quantity price.

SPRAYING BULLETIN

Send for your copy of this handy spraying guide. It is free.

GRAPES

AGAWAM. Large in bunch and berry. Rich, sweet, and very handsome. Color red. Long keeping. Self-fertile. Fruit ripens soon after Concord.

CAMPBELL EARLY. A black Grape of high quality, not acid and very sweet. Ripens 14 days before Concord. Large attractive bunches and berries.

CATAWBA. A little later than Concord but a very popular Grape. The best keeping commercial type, often lasting until March. Color dark purplish red. Quality extra fine.

CONCORD. The most widely known Grape in America. Excellent quality. Is adaptable to a great many localities. It is very fruitful, bearing heavily every year, is hardy, and early ripening, making it satisfactory for the North where seasons are short. Bunches and berries are of good size and color.

DELAWARE. An old-time red variety. Bunch and berry small, refined high quality. Prolific but a rather weak grower and somewhat subject to mildew.

MOORE'S EARLY. A Concord variety but two weeks earlier than its parent. One of the best of its season, especially recommended for the North. Large, black berries.

NIAGARA. The Concord of green Grapes. Will stand a large range of soils and climates. Probably the best green Grape for the commercial vineyard. Vine very hardy and productive. Fruit ripens midseason with Concord. Bunches and berries large and of good quality.

WORDEN. A variety of Concord origin, ripening 10 to 14 days earlier and having larger berries of better quality. It is quite as hardy and healthy as Concord. Color dark purple.

Grape Prices:

Variety	Prices Cover 2 Yr., No. 1 Vines			
	Each	25	100	1000
Agawam	\$0.10	\$2.00	\$6.00	\$50.00
Campbell Early .....	.10	1.50	5.00	40.00
Catawba .....	.10	2.00	6.00	50.00
Concord .....	.10	1.50	5.00	40.00
Delaware .....	.15	3.00	10.00	90.00
Moore's Early .....	.10	1.50	5.00	40.00
Niagara .....	.10	2.00	6.00	50.00
Worden .....	.10	1.50	5.00	40.00

We pay postage and freight if cash accompanies order. Yard price same as quantity price.

BARGAIN GRAPE COLLECTION

Send us a \$1.00 bill and we will forward you a collection of one dozen of the above varieties as a sample garden. You will then have at least one each of the best varieties of grapes growing.

FOR YOUR INFORMATION AGE OF BEARING—SPACE REQUIRED—ETC.

As the age of bearing depends so much upon variety, soil, climatic conditions and care given, this can only be an approximate table under average conditions. To ascertain the number of trees or plants required for any given space, multiply the length of the space by the breadth to ascertain the number of square feet contained therein. Then multiply the distance apart you intend to set your rows by the distance between each tree or plant in the row to get the number of square feet each tree or plant will take. Divide the number of square feet in the given space by the number of square feet each tree will require and the result is the quantity of trees or plants required for that given space.

	Age of Bearing	Distance Apart	Number Per Acre
Apples, Standard ...	3 to 10 years	35x35 ft.	35
Apricots	3 years	15x15 ft.	193
Blackberries	1 year	8x 6 ft.	907
Cherries—			
Sour	3 to 4 years	15x15 ft.	193
Sweet	3 to 4 years	20x20 ft.	108
Currants	2 years	4x 4 ft.	2722
Gooseberries	2 years	4x 4 ft.	2722
Grapes	2 years	8x 8 ft.	680
Peaches	2 years	15x15 ft.	193
Pears—			
Standard	3 to 4 years	20x20 ft.	108
Dwarf	2 years	10x10 ft.	435
Plums	3 to 4 years	20x20 ft.	108
Quinces	4 to 5 years	10x10 ft.	435
Raspberries	1 year	6x 4 ft.	1815
Rhubarb	1 year	4x 3 ft.	3630
Strawberries—			
Farm	1 year	4x 1 ft.	10890
Garden	1 year	2x 1 ft.	21780

RASPBERRIES

CUMBERLAND. Positively the best commercial black raspberry on the market today. Very large, oval, glossy black, firm fruit of finest quality. Midseason. A standard variety.

PLUM FARMER. Ripens few days ahead of Cumberland. Perfectly hardy and bears fruit of excellent quality. Crop ripens more evenly than other black varieties.

COLUMBIAN. A purplish color raspberry desirable for canning. Unexcelled for productiveness. Fruit very large, rather soft, rich sprightly flavor.

“CHIEF”

THE NEW RED RASPBERRY

Offspring of the Famous Latham.
Chief is 10 to 12 days earlier to ripen than Latham. It originated in Minnesota and is destined to be the leading early market Red Raspberry. A heavy cropper, a good shipper and disease resistant.
Price: 10 plants, \$1.00; 25 plants, \$2.00; 100 plants, \$7.00; 1000 plants, \$60.00.



Latham Raspberries.

CUTHBERT. Considered the best of the red standard varieties. A good shipper and is well adapted to many soils and climates. A very healthy and productive variety.

KING. An early red raspberry of large size. Ripens ten days ahead of Cuthbert or Latham. Stands extremely cold weather and bears an abundance of bright red fruit.

ST. REGIS. The new everbearing red raspberry that somewhat resembles the early King. Produces full crop in the Spring and again about September. A good variety for home or market.

LATHAM

This remarkable and very desirable new variety is certified absolutely mosaic-free, and acceptable anywhere. Latham is perfectly hardy, withstanding Manitoba winters without protection. Its production is superlative, outyielding even Cuthbert. The berries are large and round, with profitable shipping firmness. The color is a richly brilliant red, an eye-catcher on market stands, a delightful table feature, and a perfect canned exhibit.

YELLOW RASPBERRY

GOLDEN QUEEN. A beautiful, large, golden yellow berry surpassing Cuthbert in size, beauty, quality and adaptability.

Prices on Raspberries:

	10	25	100	500	1000
Cumberland	\$0.50	\$0.75	\$2.00	\$8.00	\$15.00
Plum Farmer .....	.50	.75	2.00	8.00	15.00
Columbian .....	.75	1.50	4.00	14.00	25.00
Latham .....	.70	1.25	3.50	12.00	25.00
King .....	.50	.75	2.00	7.00	12.00
Cuthbert .....	.50	.75	2.00	7.50	12.50
St. Regis .....	.50	.75	2.00	8.00	15.00

THE C. & D. IDEAL RASPBERRY PATCH

To occupy a sunny garden plot 20 x 30 feet.

10 LATHAM	10 KING
10 CUTHBERT	10 GOLDEN QUEEN
10 ST. REGIS	

THE 50 PLANTS BY PREPAID
PARCEL POST FOR ONLY **\$2.50**



Eldorado Blackberries.

BLACKBERRIES

These can be planted and will produce in even the poorest of soils. Thorough cultivation, however, will greatly benefit them. Fine for eating and canning.

ELDORADO. The best variety for home and market use. Berries large, jet black, borne in large clusters and ripen well together. Early to midseason. Good shipper.

BLOWERS. Enormously productive, large clean berry of exceptional quality. A good shipper ripening from middle July until late August. A very hardy variety.

MERSEREAU. A dependable variety for market and home. Plant tall and vigorous. Fruit late midseason, prolific, excellent quality.

PRICES ON BLACKBERRIES:

	10	25	100	500	1000
Prices	\$0.50	\$0.75	\$2.00	\$8.00	\$15.00

DEWBERRIES

LUCRETIA. The berries are far larger and incomparably better than any blackberry and of unequalled excellence; soft, sweet and luscious throughout; of brightest glossy black color. Price: 50c per doz.; \$2.00 per 100; \$18.00 per 1000.

CURRANTS

CHERRY. Very large dark red berries. Quite acid. Growth is tall and luxuriant. Bush very prolific.

FAY (Prolific). Fruit large, dark red. Flavor mild. A very good market variety. Midseason.

WHITE GRAPE. Large, excellent quality. Spreading vigorous bush.

WILDER. Mild flavor, fine quality. Berries very large, light red. Bush a vigorous upright grower.

Prices on Currants:

	Each	25	100
2 Yr., No. 1	\$0.15	\$3.00	\$10.00

PERFECTION CURRANT

Positively the largest and best currant ever introduced. Bears heavy and fruit larger than any Currant known. Plant a few and be convinced.

	Each	25	100
2 Yr., No. 1	\$0.40	\$8.00	\$20.00

STRAWBERRIES

MASTODON. An everbearing variety of great merit. Full crop in June and again in fall. Large size.

PROGRESSIVE. Plants produce in June continuing through Summer and again in the Fall. Fruit matures early and varies in size. Perfectly hardy and free from disease.

STANDARD AROMA. A good commercial variety. Fruit late, large, bright crimson with light red flesh. Plants vigorous and healthy.

BRANDYWINE. Fruit late, large, firm. Color deep crimson with dark flesh. Quality very good.

SENATOR DUNLAP. A favorite market variety. Fruit very large. Midseason. Colored light and dark scarlet.

GIBSON. A midseason berry excellent for canning. Grows well on heavy or light soil. Large berries of delicious flavor.

PREMIER. Extra early heavy bearing variety. Berries large and of uniform size and shape. A sure money-maker.

Prices on Strawberries:

	25	100	500	1000
Mastodon	\$1.00	\$3.00	\$12.00	\$20.00
Progressive .....	.50	1.50	6.00	10.00
Aroma .....	.35	.75	3.00	5.00
Brandywine .....	.35	.75	3.00	5.00
Senator Dunlap .....	.35	.75	2.50	5.00
Gibson .....	.35	.75	2.50	5.00
Premier .....	.50	.90	3.50	7.00

GOOSEBERRIES

DOWNING. Medium to large, pale green. Quality good. Upright productive bush. Midseason. The most widely grown variety.

HOUGHTON. Small dull reddish brown fruit, tender, juicy, sweet, and pleasant; ripening soon after midsummer. Profuse bearer.

Prices on Gooseberries:

	Each	25	100
2 Yr., No. 1	\$0.15	\$3.00	\$10.00

OUR RETAIL YARD

Our retail NURSERY YARD is located at the corner of PARK & WATER STS., in Benton Harbor. This is directly opposite the express office and just around the corner from the new postoffice building. Each fall and spring we bring in to this yard choice planting materials from our various farms for distribution. This retail sales ground is open for business on March 15th until June 15th. After that date we request our customers to call at our Elm St. store where we can take care of their wants in the nursery line. Our warehouse, where commercial fertilizer and certain spray materials are stocked, is located directly across the street from the retail yard.

CULTURE OF SMALL FRUITS

Bramble fruits like blackberries, raspberries, dewberries, etc., should have all old wood (older than the previous season's growth) cut out close to the ground each spring and the past season's growth should be trimmed back to 3 or 4 feet in height. All of the old canes should be removed and should be burned.

Mulching of currants and gooseberries will give good results. A strawberry bed should have a light coating two inches deep of coarse hay, or straw that is free from weed seed, after the ground has just frozen; and in the spring just about the time growth starts, this covering should be raked between the rows and allowed to remain there until the fruit has been harvested. Then it should be removed and cultivation be resumed.

ASPARAGUS

WASHINGTON RUST PROOF. A new introduction becoming very popular. Stalks are large and tender and have green tips.

PALMETTO. An old standard variety. Stalks purple, medium size, and very prolific. Early.

PRICES ON ASPARAGUS:

	25	100	500	1000
Washington, 2 yr.	\$0.75	\$2.00	\$8.00	\$15.00
Palmetto, 2 yr. ....	.50	1.50	7.00	12.00

RHUBARB

MYATT'S LINNAEUS. One of the best varieties having long tender stalks of mild flavor neither stringy or tough.

PRICES ON RHUBARB:

	Each
2-year roots	\$0.10



Washington Rust Proof Asparagus.

SMALL FRUIT PLANTS

If you are planning to get started with small fruit plants, we urge you to be careful of your source of supply. We may say that CUTLER & DOWNING CO. are known among the wholesale nursery trade as one of the outstanding growers of small fruit plants. We actually supply a large number of the outside nurseries with hundreds of thousands of Grapes, Raspberries, Blackberries, Strawberries, etc. We are in position, therefore, to not only offer you reliable stock at a price much under the outside nursery, but offer you true-to-name plants that have been twice State Inspected.

HOW TO PRUNE FRUIT TREES

For the home orchard, the trees should be gone over once each season and where limbs are crowding, they should be thinned out enough so that they do not rub or interfere one with the other. Best results are usually obtained when this is done in late winter or early spring. All cuts should be made smooth with the shoulder which extends slightly out from the body. Do not leave any stubs, but cut close up to the shoulder. Wounds of an inch or more across should be covered with "43 For The Tree" tree paint. Do not use barn paint or any coal tar paint.

Do not trim lower limbs off to make high headed trees. Low, compact heads stand the windy conditions of the Central West better than high open-topped trees. Just use common sense in thinning out the limbs, cutting out the most undesirable, where two limbs are interfering one with another. Heavy later pruning can be avoided if care is taken the first two seasons, after planting, to see that the heads are properly formed. It is important to get the right frame limbs for the tree right at the start. If this is properly done less later pruning will be required.

THE LITTLE HOME ORCHARD

Small Space—Little Cost—Big Results.
All trees 4 to 5 feet.

1 Dwarf Apple	\$0.75
1 Dwarf Pear .....	.75
1 Sour Cherry .....	.75
1 Peach .....	.35
1 Plum .....	.75

Catalog price

BARGAIN PRICE \$3.00
PREPAID

NOVELTY FRUIT

BUSH STRAWBERRY. Also called Tree Strawberry or Strawberry-Raspberry. Valuable for the extreme North, as the fruit is borne on the young growth, and is, of course, hardy in any climate. This is an entirely new fruit, both in habit of growth and form of fruit. Bushes grow 1 to 3 feet high, and are covered with red berries in the shape of strawberries. They are upright in manner of growing. Perfectly hardy, bound to become a valuable addition in the fruit line. It is very productive and a distinct novelty in small fruits. Price, 20c each; \$1.50 per doz.; \$10.00 per 100.

TRY A FEW

VISIT OUR STORE

We invite you to visit our modern seed and nursery store where you will find many things to interest you. Bird, Fish, and Dog Supplies as well as all kinds of seeds, insecticides and a complete hardware stock. We are located at 75-79 Elm Street, Benton Harbor.



Progressive Farmer

Every farmer who buys fruit trees—and that certainly ought to mean every farmer—is to be congratulated on the fact that steps have at last been taken which should largely eliminate the fraudulent fruit tree agents who have heretofore swindled so many people.

The members of this Association are determined to admit no nurseryman as a member unless he has a reputation for honesty and fair dealing. Every farmer who has to buy fruit trees hereafter will do well to make sure that the nurseryman from whom he orders is a member of this "American Association of Nurserymen" and proves this by use of the official trade-mark.
(From The Progressive Farmer).

NO. 7129.
CERTIFICATE OF NURSERY INSPECTION
COPY

MICHIGAN
STATE DEPARTMENT OF AGRICULTURE
ORCHARD AND NURSERY INSPECTION

THIS IS TO CERTIFY that the nursery stock of CUTLER & DOWNING CO., Benton Harbor, Michigan, has been examined and found to be apparently free from dangerous insects and dangerously contagious tree and plant diseases.

Fee paid, \$4.50.

This Certificate to be void after September 15, 1931.

HERBERT E. POWELL,
Commissioner.

E. C. MANDENBERG,
Bureau of Agricultural Industry,
A. C. CARTON, Director.

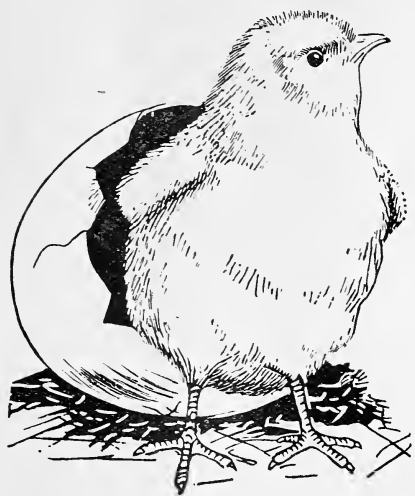
Lansing, Mich., September 18, 1930.

NOTE—Change of dates or mutilation in any way of this certificate renders it null and void.

QUALITY BABY CHICKS

**100 Per Cent Live Delivery
Guaranteed**

WE PUT EXTRA CHICKS IN EACH SHIPMENT



LOWEST PRICES FOR QUALITY BABY CHICKS

Don't waste your money on cheap inferior chicks. Ours are raised from healthy, high quality stock. They will give you eggs the year 'round. On hand at our store at all times. We can also arrange to ship express or parcel post.

WHY PAY MORE ELSEWHERE?

Now you do not have to pay big prices for good, high quality chicks. It must cost more to raise chicks from eggs above the common standard, and that's why you can buy chicks at a lower price. But you cannot buy quality bred-to-day chicks at a lower price anywhere.

READ OUR POSITIVE GUARANTEE

FIRST—Every chick we sell you will be free of disease.

SECOND—Every chick we sell you is produced from standard bred flocks of high quality.

THIRD—Every breeding flock is under constant supervision.

FOURTH—We guarantee 100 per cent live delivery. (We put extra chicks in each shipment).

FIFTH—We guarantee that you will be satisfied with your baby chicks bought of us.

WE SHIP CHICKS PREPAID

At the price quoted below, we pay the express or parcel post charges. The printed price is all you pay.

ORDER EARLY

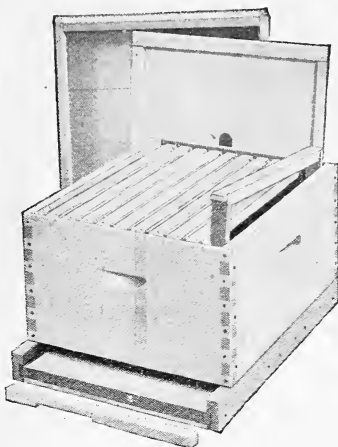
To insure prompt delivery, send us your order early. We are sometimes sold out and might be delayed a few days. If you want chicks shipped any special time, specify the date on your order. We can arrange whenever necessary to ship C. O. D.

THESE ARE OUR PRICES PREPAID TO YOUR DOOR BY PARCEL POST

Large type, heavy laying S. C. White Leghorns: .10 @ 13c; 50 @ 12c; 100 @ 11c.

We specialize in White Leghorns because we believe them to be the best laying hen. We do, however, have other breeds in stock.

BEE SUPPLIES



Whatever you need in hives, supers, foundation, and bee supplies we have it. We handle the famous Lewis Beeware and Dadant's foundation. Some of the leading items are listed as follows:

STANDARD HIVES.

10-frame hive including 1 metal cover, 1 inner cover, 10 Hoffman self-spacing frames, 1 hive body, 1 bottom board, 2 metal frame rests, 1 entrance reducer and nails, ready for setting up. Each, \$3.95; pkg. of 5, \$17.50.

NO. 1 COMB HONEY SECTION SUPERS.

10-frame No. 1 super consists of 1 super shell, 7 section holders, 8 separators, 3 super springs, 2 flat tins, 3 cleats and nails, ready for setting up. Each, \$1.25; pkg. of 5, \$5.50.

EMPTY HIVE BODY. 10-frame; Standard. Each, \$1.25; 5 for \$5.00.

HOFFMAN BROOD FRAMES. 10 for 75c; 50 for \$3.50.

SECTION BOXES. 100 for \$1.25; 500 for \$6.00.

WIRED FOUNDATION. 8 sheets, \$1.00; 10 sheets, \$1.25.

SURPLUS FOR SECTION BOXES. Per sheet, 3¼c; per lb., \$1.00.

BEE ENTRANCE GUARD. 25c each.

JR. SECTION FASTENER WITH LAMP. \$1.75 each.

IMPROVED SMOKERS. 4 x 7. \$1.50 each.

QUARTER BEE ESCAPE. 20c each.

SPUR WIRE EMBEDDER. 35c each.

STEEL HIVE TOOL. 50c each.

BEE GLOVES. \$1.00 per pair.

SILK FACE TULLE VEIL. \$1.00 each.

PLAIN UNCAPPING KNIFE. \$1.40 each.

TINNED FRAME WIRE. ½-lb. spool, 30c each.

We are in position to furnish live bees and queens by parcel post. We can also quote on glass jars, lithographed pails, labels, etc.



WATER HYACINTHS

LILAC ROSE FLOWERS. It forms a lovely rosette of its curious shining green leaves, and throws up spikes of the most exquisite flowers imaginable, resembling in form a spike of Hyacinth bloom, as beautiful as orchids. In color a beautiful lilac-rose. In the windows the most beautiful effect is produced by using a glass vessel of some sort, with shells and white sand so arranged as to conceal a small amount of soil. In summer it can be grown outdoors in pools or tub of soil. 10c each; by parcel post, prepaid, 15c.

Germāco Hotkaps



ACRES OF THEM IN USE
IN CALIFORNIA.

CROP INSURANCE FOR MARKET GARDENERS

These are miniature hothouses and make crops mature earlier. A revolutionary device that saves farmers much in time, labor and money. This proved method of plant protection means big profit to you next year. Use them on all your garden crops and receive top prices for early vegetables.

Special Prices by Mail, Postpaid

Composition Garden Setter in Each Package.

Prices: Hotkaps for your backyard garden, at these postpaid prices: 50 with garden setter, \$1.75; 100 with garden setter, \$2.50; 250 trial package, including garden setter, \$4.00; garden setter alone, 50c.

Lots of 1000 or over at \$11.50 per 1000.

Standard Steel Hotkap Setter, \$2.50.

MULCH PAPER



Tomato Plants, nine weeks old. Planted with same seed. The increased yield for mulched tomato plants is over 44%.



GATOR HIDE Mulch Paper, when laid upon prepared beds, produces bigger, better, earlier crops or blooms by simple expedient of increasing the soil temperature, conserving the soil moisture and practically eliminating weeds. Ask about it.

"Garden Package"—18-inch, 15 yards, \$1.00; 18-inch, 900 feet, \$3.50; 36-inch, 900 feet, \$7.00.

NURSERY YARD

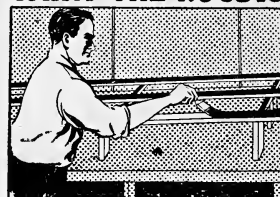
Fruit trees, plants, shrubs, shade trees, etc. are retailed from our yard—located at Park and Water Sts., directly opposite the express office and the Kidd-Dater-Price building. Call there for anything in the nursery line.

If you live within driving distance it will pay you to visit our seed store as well as our nursery yard, otherwise, we can assure you our best service on anything you may wish to order by mail.

Use the handy order blank opposite.

FOR POULTRY LICE

"PAINT" THE ROOSTS



WITH "BLACK LEAF 40"

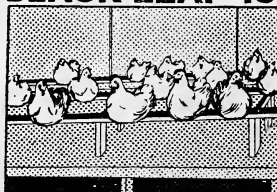
DIRECTIONS FOR KILLING POULTRY LICE

- 1.—Remove whitewash or lime from roosts.
- 2.—An hour before roosting time, paint a thin coat of "Black Leaf 40" on the tops of roosts and cross arms.
- 3.—Leave ventilators or windows open to provide fresh air for fowls.

One painting usually kills the nits.

Price: Oz., 35c; ½ lb., \$1.25; 1 lb., \$2.50; 2 lbs., \$3.75; 5 lbs., \$7.00; 10 lbs., \$11.85.

"BLACK LEAF 40"



WORKS WHILE THEY ROOST

BENTON HARBOR, MICHIGAN

FORWARD ABOUT_____

DATE	19
AMOUNT ENCLOSED	
CHECK	\$
DRAFT	\$
M. O.	\$
CURRENCY	\$
STAMPS	\$

[illegible]

NOTICE—While we exercise the greatest care to have all trees, shrubs and plants sold by us true to name, and hold ourselves prepared to replace, on proper proof, all that may prove otherwise, we do not give any warranty, express or implied, with respect to them; and all such goods are sold upon the express condition and understanding that in case any of them prove to be untrue to name, we shall not be held responsible for a greater amount than the original price of goods.

(OVER)

CUT ON THIS LINE.

Hardy Shrubs

The Finest Stock We Have Ever Grown

Our homes become homes in the true sense, only when they are planted. Ornamental shrubs are the foundation of all landscape plantings. We offer a wide selection of varieties to beautify your home and garden.

In the shrub section the heights to which the different varieties grow are given. A few carefully arranged foundation plantings are also worked out to give a selection of a complete planting for your home. These plans are adaptable to most any house.

It is easy to be successful with plantings if a few simple rules are adhered to. Plant in masses, leave open spaces, avoid straight lines. These are the A B C's of planting design.

Choosing plants according to their ultimate height of growth is very important from the standpoint of good looks. Plant tall growing shrubs in the background, at corners where height is needed, and against foundations where no windows would be covered. Plant medium height shrubs in between groups of taller growers and wherever a medium tall shrub is the most desirable. Under low windows use only the dwarf growers. Another good practice is to plant low growing shrubs in the front row of the plant bed to provide for foliage clear to the ground.

PLANTING. As soon as your shipment arrives, open up to verify stock, then heel-in somewhere in shaded, moist soil. Take out a few at a time to location. Dig holes large and deep enough to receive the roots without cramping; sift fine dirt throughout the network of fibrous roots; fill up, tamp solid, leaving no fissures. Soak thoroughly and rake the surface level.

MAINTENANCE. Thereafter, make sure there is sufficient soil moisture. Keep ground cultivated and free from weeds, preserving a straight clean edge.

Pruning in the dormant stage is not injurious to the plant and often easier to accomplish, but, as a result, the spring bloom is not as abundant. The ideal time to prune shrubs that blossom along their stems is just after the blooming period.

ALTHEA

ALTHEA. (*Hibiscus syriacus*). Widely known for flower color in Fall, foliage lasting late. Shrub is of compact, graceful outline, usually attaining a height of 5 to 8 feet. May be had in flower colors, rose, red, white, purple, and striped. Price, 2 to 3 ft., 50c; 3 to 4 ft., 60c; 3 for \$1.50.

ALTHEA (Tree form). A striking plant for use as a solitary specimen, attaining a height of 10 to 12 feet. Red and white flowered only. Price, 3 to 4 ft., \$1.00.

FLOWERING ALMOND

ALMOND (*Prunus glandulosa*). A branching shrub 2 to 4 ft. tall with broad dark green leaves. Blooms in great profusion in early Spring. Double flowers and can be had in pink or white. 2 to 3 ft., 50c; 3 for \$1.40.

BARBERRY

JAPANESE BARBERRY (*Berberis Thunbergii*). Probably the most widely planted shrub. Habit is dwarf, bushy, and rounding. Small leaves cover the thorny twigs. It is especially desirable for dividing properties or confining lawns, being compact, impassable, and hardy. In Fall, leaves are usually a fiery red and bush carries red berries through the Winter. Price, 15 to 18 in., 25c; 18 to 24 in., 35c. See Hedge page for quantity prices.

NEW RED BARBERRY (*B. Thunbergii atropurpurea*). This new introduction is similar to the common barberry above listed, only that its color is a rich bronze-red similar to the best of the Bloodleaf Jap Maples. Truly a beautiful shrub. 15 to 18 in., 50c; 3 for \$1.40.

BUTTERFLY BUSH

BUTTERFLY BUSH (*Buddleia magnifica*). Sometimes called "Summer Lilac." An interesting free-flowering shrub, recently introduced. The flowers, lilac, with an orange-yellow spot in the throat, are produced throughout the Summer season in dense terminal panicles 4 to 6 inches long. Usually dies down to the ground in Winter returning the next Spring with renewed vigor. Price, 3 to 4 ft., 50c; 3 for \$1.25.

DEUTZIA

LEMOINE DEUTZIA (*Deutzia Lemoinei*). Small shrub with spreading branches, usually about three feet tall, of garden origin. Leaves bright green, 2 to 3 inches long. Flowers white, borne in thick wreaths along the branches in June. Very vigorous and floriferous. Price, 18 to 24 in., 50c; 3 for \$1.40.



Deutzia, Pride of Rochester.

PRIDE OF ROCHESTER DEUTZIA. The earliest bloomer of the Deutzias. A vigorous growing shrub, very distinct. The white flowers, borne in early June, are very large and double. A distinct and valuable variety. Price, 3 to 4 ft., 50c; 3 for \$1.40.

SLENDER DEUTZIA (*Deutzia gracilis*). A small shrub, usually about 2 feet tall, with slender, often arching branches. Native of Japan. Leaves bright green. 1 to 2 inches long, slightly rough on the upper surface. Flowers white, in graceful nodding racemes. Very showy. Price, 18 to 24 in., 50c; 3 for \$1.40.

Shrubs for Low Foundations

Deutzia gracilis	Barberry
Deutzia Lemoinei	Hydrangea, cut back
Coralberry	
Dwarf Spireas	Snowberry

Shrubs for Shady Locations

Common Lilacs	Spirea Van Houttei
Honeysuckles	Japanese Barberry
Golden Bell	Shrubby Dogwoods
Privets	Snowberry
Deutzias	Coralberry
Mock Orange	Hydrangea

Shrubs With Attractive Berries

Barberry	Privets
Honeysuckles	Coralberry
Viburnums	Snowberry
Elders	

DOGWOOD

TARTARIAN DOGWOOD (*Cornus alba* or *sibirica*). An upright shrub with blood-red branches. Native of Siberia. Leaves dark green. Flowers creamy white, in numerous small flat-topped clusters. Fruit light blue or bluish white. Price, 3 to 4 ft., 50c; 3 for \$1.40.

EUONYMUS

WINGED EUONYMUS (*Euonymus alatus*). A handsome shrub 6 to 8 feet tall, with corky-winged branches. Native of China and Japan. Leaves oval, bright green, fading in Autumn with gorgeous tones of red and crimson. A capital shrub for an isolated specimen plant. Price, 3 to 4 ft., 75c.

FORSYTHIA

FORTUNE FORSYTHIA (*Forsythia suspensa Fortunei*). Branches arching, bearing dark lustrous green leaves, either simple or three-parted. Flowers golden yellow, often with twisted petals. A grand shrub, often growing 8 to 10 feet high. Valuable both for hedging and as a filler in massed shrub groups. Price, 3 to 4 ft., 50c; 3 for \$1.40.

GOLDEN ELDER

GOLDEN ELDER (*Sambucus nigra aurea*). A beautiful shrub retaining its golden color throughout the season. Grows 8 to 10 feet high and indispensable to produce a lively effect. Price, 2 to 3 ft., 50c; 3 for \$1.40.

HONEYSUCKLE

WHITE BELLE HONEYSUCKLE (*Lonicera bella albidia*). Honeysuckles are the first shrubs to show leaves in Spring, flowering in early June. The plant attains a height of 8 to 10 feet and red berries which appear after flowering remain until Autumn. Price, 2 to 3 ft., 50c; 3 to 4 ft., 50c; 3 for \$1.40.

RED TARTARIAN HONEYSUCKLE (*Lonicera tatarica sibirica*). A large shrub with numerous upright spreading branches. Flowers red, borne in great profusion in late Spring. Fruit red or orange, ripening in Summer and persisting until Autumn. Height 8 to 10 feet. Price, 2 to 3 ft., 50c; 3 to 4 ft., 60c; 3 for \$1.50.

ROSY TARTARIAN HONEYSUCKLE (*Lonicera tatarica rosea*). Same as above but with pink flowers. Price, 2 to 3 ft., 50c; 3 to 4 ft., 60c; 3 for \$1.50.

WINTER HONEYSUCKLE (*Lonicera fragrantissima*). Sometimes called evergreen honeysuckle. A large shrub with numerous spreading branches. Native of China and Japan. Leaves persistent until midwinter. Flowers creamy white or light yellow, expanding with the first breath of Spring, deliciously fragrant. Height 6 to 8 feet. A grand shrub. Price, 2 to 3 ft., 50c; 3 to 4 ft., 60c; 3 for \$1.50.

HYDRANGEA

PEEGEE HYDRANGEA. Excellent for tall hedges. The most popular variety of Hydrangea and one of the showiest shrubs in cultivation. The flowers are produced in very large panicles. When fully expanded the flowers are white, but soon assume tones of bronze on the exposed sides. This shrub requires severe pruning in early Spring to insure the largest trusses of flowers. Price, 2 to 3 ft., 50c; 3 for \$1.40.

TREE FORM. Same as above but grown and cultivated with single leader, as a tree. Very desirable form for specimen planting. Price, 3 to 4 ft., \$1.50.

SMOOTH HYDRANGEA (*Hydrangea arborescens*). Often called "Hills of Snow." Should be trimmed to the crown each Spring before growth starts. Ordinarily an upright shrub reaching 4 to 8 feet in height. Leaves bright green, flowers creamy white, borne in numerous flat-top clusters in early Summer; lasting until Fall. Hardy and attractive. Price, 2 to 3 ft., 50c; 3 for \$1.40.

A SHRUB BORDER

Planned to Beautify the Corner of Your Yard.

Here is an attractive shrub group to be planted in a corner of the lot where the plants can be left to develop into their full and natural beauty. The varieties are selected for interest in fruit, flower, and form, and to make a most harmonious and interesting corner bed planting.

- 5 Spirea Van Houttei.
- 4 Cornus sibirica (Red Dogwood).
- 1 Tamarix.
- 4 Hydrangea.
- 4 Forsythia (Golden Bell).
- 1 Bechtel's Flowering Crab.

SPECIAL OFFER

19 strong, healthy shrubs as shown in plan for border. Regular \$8.85 value.

POSTPAID
FOR ONLY **\$7.50**

JETBEAD

JETBEAD (*Rhodotypos kerrioides*). A handsome and distinct shrub, usually 4 to 5 feet tall. Native of Japan. Flowers pure white, an inch or more across, appearing in late Spring. The black berries are retained throughout the Winter. Price, 2 to 3 ft., 60c; 3 for \$1.75.

KERRIA

KERRIA (*Kerria japonica*). A native of Japan, grows 4 to 6 feet tall. Leaves bright green, sharply toothed. Flowers numerous, bright yellow and showy. 15 to 18 in., 50c; 3 for \$1.40.

MEMBERS OF

American Association of Nurserymen
Michigan Association of Nurserymen
Illinois Association of Nurserymen

Planting Directions for Shrubs

Shrubs are easily planted and require little care. Any good growing soil is excellent. Set the plants deeply and firmly, and trimming the tops back will insure a quicker and better growth. Keep them cultivated and free from weeds the first year or two, watering them in the evening during dry spells. After the first year they will require little care other than any annual pruning you may wish to give them. Each year's growth will add to the charm of your planting.

LILAC

COMMON LILAC (*Syringa vulgaris*). A large upright shrub with heart-shaped, bright green leaves. Flowers deliciously fragrant, varying from pink to shades of lilac, blue and purple. This is the lilac commonly found in many home-grounds bearing its clusters of blooms so plentifully during May and June. Price, 2 to 3 ft., 50c; 3 for \$1.40.

WHITE COMMON LILAC (*Syringa vulgaris alba*). White variation of the common lilac. 2 to 3 ft., 50c; 3 for \$1.40.

LATE LILAC (*Syringa villosa*). An upright shrub with stout warty branches, attaining a height of 5 to 8 feet. Native of the Himalayas. Leaves broadly oblong, pointed at the apex, bright green, but without luster. Flowers pinkish, in broad panicles 3 to 6 inches long, expanding in late Spring. Price, 2 to 3 ft., 75c; 3 for \$2.00.

GRAFTED LILAC, Charles X, large reddish purple. President Grevy, large double blue. Mme. Lemoine, large double white. Price, 3 to 4 ft., \$1.25.

MOCK ORANGE

DWARF GOLDEN MOCK ORANGE. A hardy shrub with arching upright branches. Native of Europe. Foliage yellow, and much prized for its bright effect. Flowers creamy white. This plant is decidedly dwarf, especially valuable for bordering groups of larger shrubs. Price, 12 to 18 in., 60c; 3 for \$1.50.

SWEET MOCK ORANGE (*Philadelphus coronarius*). A hardy shrub with upright, often arching branches, attaining a height of 8 to 10 feet. Native of Europe. Leaves ovate, bright green, 2 to 4 inches long. Flowers creamy white, deliciously fragrant borne in great profusion. Very showy and desirable. Price, 3 to 4 ft., 50c; 3 for \$1.40.

VIRGINAL MOCK ORANGE. Magnificent new variety. Moderately tall with good foliage and compact habit. The flowers are extremely large and creamy white and very fragrant, long blooming. Price, 2 to 3 ft., 75c; 3 for \$2.00.

BIG SCENTLESS MOCK ORANGE (*Philadelphus grandiflorus*). A robust growing shrub generally attaining a height of 8 to 12 feet, producing an abundance of pure white very showy flowers in June. Excellent as a background for shrub groups. Price, 3 to 4 ft., 50c; 3 for \$1.40.

QUINCE

FLOWERING QUINCE (*Cydonia japonica*). A spiny shrub with bright green glossy leaves. Native of China and Japan. Flowers scarlet, large and showy. Fruits about 2 inches in diameter, yellowish green, aromatic, fragrant. They are invaluable for border or garden planting and make beautiful informal or clipped hedges. Price, 2 to 3 ft., 50c; 3 for \$1.40.

SIBERIAN PEA TREE

SIBERIAN PEA TREE (*Caragana arborescens*). A large shrub with compound leaves. Grows 10 to 12 ft. tall and provides a wealth of blossoms in Spring and early Summer. Flowers yellow in small clusters. 3 to 4 ft., 50c.

SUMAC

CUTLEAF SUMAC (*Rhus glabra laciniata*). A very ornamental type little known, but extremely useful in any landscape scheme. Quite dwarf, dense growing, with leaves deeply cut giving a fernlike appearance. A very distinctive shrub. Price, 3 to 4 ft., 65c; 3 for \$1.75.

SMOOTH SUMAC (*Rhus glabra*). Large rangy shrub of open appearance having large leaves suspended from long leaf-stalks. Bark very smooth; useful for group plantings of large shrubs. Very effective in Autumn with crimson seeds and foliage. Price, 3 to 4 ft., 65c; 3 for \$1.75.

SPIREA

ANTHONY WATERER SPIREA. A remarkable free-flowering shrub with upright branches, attaining a height of about 2 feet. Leaves bright green, often with variegations of yellow, with incised and serrate borders. Flowers bright crimson, disposed in dense corymbs, blossoming through the Summer and Fall. A valuable border plant of increasing popularity. Price, 12 to 18 in., 50c; 3 for \$1.40.

THUNBERG SPIREA (*Spiraea Thunbergii*). A very graceful shrub, flowering early in the Spring, being among the first shrubs to bloom. Branches slender and drooping. Small, bright green leaves which give a light feathery appearance. Pure white flowers. Dwarf. Price, 18 to 24 in., 50c; 3 for \$1.40.

SPIREA CALLOSA ALBA (Japanese *Spiraea*). Dwarf compact shrub grows 2 feet tall. Flowers pure white in flat top clusters. Blooms until frost. Price, 12 to 18 in., 60c; 3 for \$1.50.

COMMON SPIREA (*Spiraea Van Houttei*). The most frequently used shrub of all. Grand and graceful with numerous arching branches. Flowers white, in numerous dense-flowered umbels in late Spring. Quite hardy and attaining a height of 5 to 6 feet. Cannot be too highly recommended. 18 to 24 in., 20c; 2 to 3 ft., 25c; 3 to 4 ft., 35c. See Hedge Plants for quantity prices.

SWEET SHRUB

COMMON SWEET SHRUB (*Calycanthus floridus*). Very unique ornamental shrub growing 3 to 4 feet in height. Foliage large and handsome, generally rough on the upper surface. Flowers double, chocolate-colored, and having a pleasing spicy odor. 12 to 18 in., 60c; 3 for \$1.50.

SYMPHORICARPOS

CORALBERRY (*Symphoricarpos vulgaris*). A grand shrub, producing a wealth of red or purplish berries which remain on the branches all Winter. Leaves ovate, bright green, often tinged with reddish purple when young, persisting until early Winter. Flowers greenish red in Summer. Berries coloring in early Autumn, very showy. 2 to 3 ft., 50c; 3 for \$1.40.

COMMON SNOWBERRY (*Symphoricarpos racemosus*). Much noted for its large clusters of milk white fruits produced in August and lasting through the Winter. Graceful shrub, 3 to 5 feet tall, with slender branches. Leaves elliptic or broadly ovate, sometimes lobed on the shoots. Flowers white or pinkish, in loose, often leafy racemes, in Summer. 2 to 3 ft., 50c; 3 for \$1.40.

TAMARIX

AFRICAN TAMARIX (*Tamarix africana*). A tall graceful shrub, with small foliage like a Juniper, and delicate, small rosy purple flowers, produced in spikes in Spring or early Summer. 3 to 4 ft., 60c; 3 for \$1.75.

VIBURNUM

COMMON SNOWBALL (*Viburnum opulus sterile*). A grand hardy shrub, with handsome showy flowers produced in large globular clusters. All the flowers are sterile and radiant, and appear in numerous compact balls in Spring. An old-time favorite and without doubt one of the best of flowering shrubs. 2 to 3 ft., 60c; 3 for \$1.50.

CRANBERRY BUSH (*Viburnum opulus*). A handsome, tall growing shrub reaching a height of 6 to 8 feet. The berries, borne in late Summer, persist through the Winter on the bare branches. Leaves dark green with bronzy margins broadly ovate, in outline. Very handsome. Flowers white, produced in flat-topped clusters with the marginal ones sterile and radiant. Berries red, changing to bluish black. 2 to 3 ft., 60c; 3 for \$1.75.

WEIGELA

EVA RATHKE WEIGELA. A remarkable free-blooming hybrid Weigela, the most distinct and one of the most attractive varieties. Flowers are very distinct in color, being rich reddish purple, quite different from anything heretofore offered. 18 to 24 in., 45c; 2 to 3 ft., 55c; 3 for \$1.50.

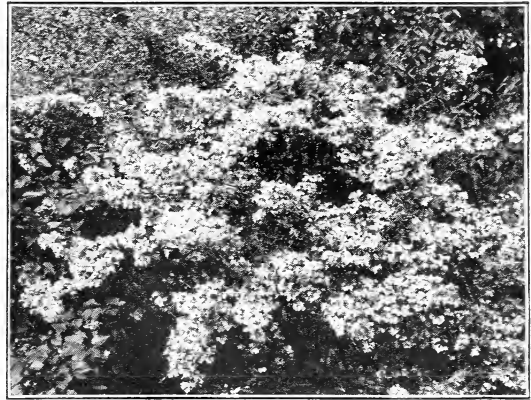
PINK WEIGELA (*Weigela rosea*). A free-flowering shrub, usually about 6 feet tall with numerous spreading branches. Leaves dark green, smooth except on the midrib and veins. Flowers rose-colored, large and showy, produced in great profusion. 2 to 3 ft., 50c; 3 for \$1.40.

WHITE WEIGELA. A slow growing but large sized shrub, vigorous and erect. Flowers pure white and produced in great profusion in June. Plants continue to bloom through the Summer. 2 to 3 ft., 50c; 3 for \$1.40.

KOLKWITZIA AMABILIS (Beautybush)

A charming new shrub which increases our debt to China. Discovered among the high peaks of Hupeh's mountains, its progeny in America is proving likewise hardy in New England's severe climate. The attractively leaved bush attains about six feet, the center upright, the outer branches gracefully arching. Has a general resemblance to both Weigela and Honeysuckle, the beautiful trumpet-shaped flowers appearing in great profusion during June, in pairs which cluster closely into cymes of about twenty-five. Flowers are bell-shaped and somewhat lipped, pale pink with orange veins in the throat, the buds being much darker.

1½ to 2 feet \$1.00 each; \$ 9.00 per 10.
2 to 2½ feet 1.50 each; 14.00 per 10.



Kolkwitzia Amabilis.

HEDGE PLANTS

CALIFORNIA PRIVET. The most popular hedge plant. Leaves dark green and glossy, broad and firm. Not entirely hardy.

AMUR PRIVET. Perfectly hardy. Stands trimming well, excellent for formal hedges.

JAP BARBERRY. Its compact growth and thorny branches make a defensive hedge. It is hardy anywhere.

SPIREA VAN HOUTTEI. This ever popular shrub is often used for hedges of both formal and informal nature. Stands trimming well.

Prices:

	Each	10	100
California Privet, 18 to 24 in.	\$0.12	\$1.00	\$ 5.00
California Privet, 2 to 3 ft. ....	.15	1.25	7.00
Amur Privet, 18 to 24 in. ....	.18	1.50	10.00
Amur Privet, 2 to 3 ft. ....	.20	1.75	12.00
Japanese Barberry, 12 to 15 in. ....	.22	2.00	18.00
Japanese Barberry, 15 to 18 in. ....	.25	2.25	20.00
Spiraea Van Houttei, 18 to 24 in. ....	.25	2.25	20.00
Spiraea Van Houttei, 2 to 3 ft. ....	.35	3.00	25.00

for Luxuriant Shrubs and Trees

feed them this complete,
balanced diet

VIGORO
Complete plant food



SHADE TREES

To deny yourself the comforting shade of trees is to miss one of the greatest pleasures the possession of a home can give. Trees perform a real service to man.

AILANTHUS (Tree of Heaven). Rapid grower, leaves bright green with many leaflets. Not affected by smoke. 6 to 8 ft., \$1.25; 8 to 10 ft., \$1.50.

BIRCH, CUTLEAF WEEPING. A tall tree with graceful branches and deeply cut foliage. Bark white when several years old. 5 to 6 ft., \$3.50.

BIRCH, EUROPEAN WHITE. Same characteristics as above variety only that it is more erect growing. 5 to 6 ft., \$2.50.

CATALPA, SPECIOSA. This is the common Catalpa, very tropical in appearance. Large purple and white flowers in June. 6 to 8 ft., \$1.50.

ELM, AMERICAN. A majestic and graceful tree for street planting. Hardy, rapid grower, resists drought and long lived. 8 to 10 ft., \$2.00; 10 to 12 ft., \$2.50.

ELM, CHINESE. A new introduction from China. Perfectly hardy and desirable because of extreme rapid growth. 5 to 6 ft., \$1.50; 10 to 12 ft., \$2.50.

LINDEN, AMERICAN (or Basswood). A stately rapid growing tree with large showy leaves and fragrant flowers. 6 to 8 ft., \$1.75.

MAPLE, ASH LEAF (Box Elder). A rapid growing variety, light green foliage, and spreading head. Very hardy. 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.00.

MAPLE, NORWAY. Most beautiful shade tree. Perfect in form, a sturdy compact and vigorous grower. 6 to 8 ft., \$2.50; 8 to 10 ft., \$3.00.

MAPLE, SILVER LEAF. A popular tree for street planting. More rapid growing than the Norway. 8 to 10 ft., \$2.00; 10 to 12 ft., \$2.50.

MAPLE, WEIR'S CUT-LEAF. Graceful drooping branches, with delicately cut leaves. Vigorous grower. 8 to 10 ft., \$2.50; 10 to 12 ft., \$3.00.

MAPLE, SCHWEDLER'S. Called the purple leaved Maple as the leaves are bright purple and crimson in Spring. 8 to 10 ft., \$4.00.

MOUNTAIN ASH. A favorite erect growing, medium size, lawn tree. White flowers in Spring followed by clusters of bright red berries. 6 to 8 ft., \$2.00; 8 to 10 ft., \$2.50.

SYCAMORE. A rapid upright long-lived tree not affected by air of cities or by insects. Bark peels to creamy white. 8 to 10 ft., \$1.75.

PIN OAK. Fastest growing of all Oaks. Fine boulevard tree. Long lived with foliage of wondrous colors. 6 to 8 ft., \$2.50.

POPLAR, CAROLINA. Quickest growing shade tree. Will grow in any soil. Can be used as screen or windbreak. 8 to 10 ft., \$1.50; 10 to 12 ft., \$2.00.

POPLAR, LOMBARDY. Tall columnar tree of picturesque and formal aspect. Branches from ground up. 8 to 10 ft., \$1.75; 10 to 12 ft., \$2.25.

WILLOW, GOLDEN. A tree with intensely golden branches. Used for planting in low places or on banks of streams. 6 to 8 ft., \$1.50.

WILLOW, WISCONSIN. A weeping tree with long slender branches. Quite hardy in the North. 6 to 8 ft., \$1.50.



Our Landscape Department is well equipped to handle large trees in a manner which insures their growth.

LARGE TREES

Immediate effects are obtained by using large trees. We have some trees larger than the regular grades, which are excellent specimens. Write us for prices and information.



Mountain Ash.

Ornamental Trees

The following trees classed as Ornamental are not as desirable for street or shade planting as they are for specimen purposes.

BECHTEL'S FLOWERING CRAB. When in bloom appears to be covered with delicate pink, small double roses of delicious fragrance. 3 to 4 ft., \$2.00; 6 for \$10.00.

CATALPA BUNGEI. An umbrella-shaped tree. Hardy, and flourishes in almost all soils. Attractive in pairs along driveway. 5 to 6 ft., \$1.50; 6 for \$8.50.

MULBERRY (Teas' Weeping). Forms a perfect shaped head with long slender willow branches reaching to the ground. 5 ft., \$3.00; 6 for \$15.00.

DOGWOOD, WHITE FLOWERING. Has beautiful double white flowers middle of May before leaves appear, foliage changing to red in Autumn. 3 to 4 ft., \$2.00; 6 for \$10.00.

PURPLE LEAVED PLUM. Foliage dark purple retaining its color until leaves drop in late Autumn. 4 to 5 ft., \$1.75; 3 for \$5.00.

THORN, PAUL'S DOUBLE SCARLET. Flowers bright carmine red. Fruit very ornamental. Will thrive in any soil. 4 to 5 ft., \$2.50; 3 for \$7.00.

NUT TREES

BLACK WALNUT. The common well known variety, the wood of which is most beautiful and valuable. 5 to 6 ft., \$1.50.

BUTTERNUT. A fine native rapid growing, lofty spreading tree. Unique tropical appearance. 4 to 5 ft., \$1.25; 10 for \$10.00.

ENGLISH WALNUT. Most popular of nuts. Can be grown in any climate where peaches are grown. 3 to 4 ft., \$1.50; 10 for \$12.00.

AMERICAN FILBERT. The common hazelnut. Will grow in almost any location. Nuts are tender and of fine flavor. 3 ft., \$1.00.

CHESTNUT, AMERICAN SWEET. It is valuable as a nut tree, timber and ornamental purposes. 4 to 5 ft., \$1.50; 3 for \$4.00.

TREES FOR VARIOUS PURPOSES

Trees With Attractive Autumn Foliage

Sugar Maple
Dogwood
Oaks

Tulip Tree For Street or Avenue Planting

Ash
Linden
Elms
Hackberry
Sycamore
Maples

Trees for Dry Places

Junipers (Evergreen)
Mugho Pine (Evergreen)
Elm
Ash
Locust
Hackberry

Weeping Trees

Weeping Mulberry

Cut-Leaved Weeping Birch

Babylonica Willow
Wisconsin Willow

Trees for Winter Beauty

Birch
Golden Willow
Evergreens

Trees for Moist Places

Birch
Willow
Poplar
Oaks
Linden
Elm
Ash

Trees for Quick Effect

Box Elder
Catalpa
Silver Maple
Sycamore
Poplar
Willow

EVERGREENS

All evergreens will be dug with a ball of earth and roots wrapped in burlap. Water well when planting and every week during Summer. Sent freight prepaid.

AMERICAN ARBOR-VITAE. Beautiful native tree much used for hedges and screens. Can be trimmed and kept in any form and height. 18 to 24 in., \$1.50; 2 to 3 ft., \$2.00; 3 to 4 ft., \$3.00.

PYRAMIDAL ARBOR-VITAE. Same as above only that it is more compact and pyramidal growing. A formal type. 18 to 24 in., \$2.50; 2 to 3 ft., \$4.00; 3 to 4 ft., \$5.50.

GLOBE ARBOR-VITAE. A dwarf globe form of Arbor-Vitae forming a round dense head. Desirable for formal effects. 12 to 18 in., \$2.75.

SIBERIAN ARBOR-VITAE. A semi-pyramidal type with foliage darker and denser than American Arbor-Vitae. 18 to 24 in., \$3.00; 24 to 30 in., \$4.00.

SPINY GREEK JUNIPER. Semi-pyramidal type with upright branches. Scale-like bluish green leaves. Sharp and dense. 12 to 15 in., \$3.75.

IRISH JUNIPER. Columnar formed, narrow at top and bottom. Leaves a bright silvery green. A formal type suited to decorate doorways or other points of interest. 18 to 24 in., \$2.00; 2 to 3 ft., \$2.75; 3 to 4 ft., \$4.50.

PFITZER JUNIPER. A many-branched spreading form of Chinese Juniper. Foliage gray-green, slightly drooping and branches are horizontally spreading. 15 to 18 in., \$3.50; 18 to 24 in., \$4.75.

SAVIN JUNIPER. A medium height, spreading, evergreen shrub, dark green in color, symmetrically branched and suitable to group or foundation planting. 12 to 15 in., \$2.00; 15 to 24 in., \$3.50.

NORWAY SPRUCE. One of the most extensively planted evergreens. Growth, rapid. Graceful and dark green in color. Fine for shelters and windbreaks. Grows very tall. 15 to 24 in., \$1.50; 2 to 3 ft., \$2.50; 3 to 4 ft., \$3.50.

COLORADO BLUE SPRUCE. A handsome tree for specimen planting. Foliage varies from light green to very distinct blue. A beautiful tree when established. 12 to 15 in., \$5.00; 18 to 24 in., \$8.00; 2 to 3 ft., \$10.00.

MUGHO PINE. A globular type with bright long green needles. Suitable for single specimen or very conspicuous in a group. 12 to 15 in., \$2.00; 15 to 18 in., \$2.75.

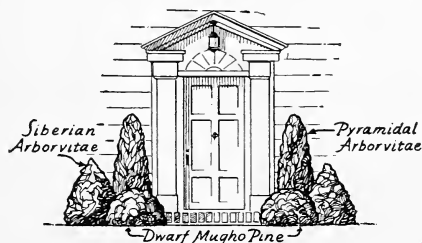
SCOTCH PINE. A long needled evergreen with spreading branches, growing to great heights. 2 to 3 ft., \$3.25.

JAPANESE YEW. Slow growing small spreading evergreen. Its dark, deep green foliage is maintained in good color through the Winter. 18 to 24 in., \$5.00.

Plant a Living Christmas Tree

What could be more cheery in the winter landscape than a living Christmas tree—aglow with colorful lights and sparkling snow crystals? Plant your living Christmas tree now. It will be a pleasure to watch it grow up with your children. We recommend White Spruce, Green Colorado Spruce and Douglas Fir as suitable varieties for a living Christmas tree.

PLANT A TREE



C. & D. DOORWAY OFFER

An effective evergreen planting of Hardy Varieties suitable for the doorway.

2 Dwarf Mugho Pines, 12-15 inches\$ 4.00
2 Siberian Arbor-Vitae, 18-24 inches 6.00
2 Pyramidal Arbor-Vitae, 3-4 ft. 11.00

Catalog Price\$21.00

OUR SPECIAL PRICE **\$19.00**
Freight or Express Collect

WINDOW BOX EVERGREENS

Juniper, Canadensis	\$0.25
Norway Spruce .....	.20
Austrian Pine .....	.25
Douglas Fir .....	.35
American Arbor-Vitae .....	.20
Colorado Blue Spruce .....	.45

Stock that will make a good showing.



Evergreens are Green the Year 'Round.

EVERGREEN SPECIAL

We have a limited amount of fine 2- to 3-foot Norway Spruce which must be moved and which we are offering in lots of 5 @ \$1.50; 10 @ \$1.25; 20 or more @ \$1.00.

ORNAMENTAL VINES

AMERICAN IVY. Five parted leaves that change to scarlet in Fall. Hardy and quick growing. Requires artificial support. Each, 50c; 10, \$4.00; 100, \$25.00.

BOSTON IVY. Handsome dark green foliage, changing to crimson and yellow. When established will cling to brick or stone. Each, 60c; 10, \$5.00; 100, \$45.00.

BITTERSWEET. Handsome glossy green foliage and large clusters of orange-crimson berries. Graceful sprays for house decoration. Each, 50c; 10, \$5.00; 100, \$40.00.

CLEMATIS, Paniculata. A rapid growing vine with glossy foliage and medium size star-shaped fragrant white flowers. Each, 50c; 10, \$5.00; 100, \$40.00.

CLEMATIS, Jackmani. A large flowering variety. Color violet-purple with a rich velvety appearance. Blooms until frost. Each, 75c; 10, \$6.50; 100, \$55.00.

DUTCHMAN'S PIPE. A very rapid growing vine with large heart-shaped leaves desirable when dense shade is required. Each, 75c; 10, \$6.50; 100, \$55.00.

HALL'S JAPAN HONEYSUCKLE. Fragrant white flowers changing to yellow. Valuable for covering banks where grass will not grow. Each, 50c; 10, \$4.00; 100, \$30.00.

TRUMPET VINE. Showy orange-scarlet flowers and evergreen leaves. Fine for training on trellises. Each, 60c; 10, \$5.00; 100, \$40.00.

PURPLE WISTERIA. Pea-shaped purple flowers in dense, pendent clusters. Sometimes a foot long. Blooms in May. Each, 60c; 10, \$5.00; 100, \$40.00.

WHITE WISTERIA. A white flowering form of the purple Wisteria. Each, 60c; 10, \$5.00; 100, \$40.00.

VINES FOR CLIMBING

On porch, trellis, fence or wall. Those types which cling to wood, stone, brick or stucco are designated by a star (*); the rest twine or need support.

Distance Apart to Set Plants

*Ampelopsis—in variety (Veitchi, 4 to 6 feet) (shade)	6 to 10 feet
*Bignonia radicans (Trumpet Vine)	6 to 10 feet
Bittersweet (Celastrus scandens)	6 to 10 feet
Clematis—in variety	6 to 10 feet
Dutchman's Pipe (Aristolochia siphon) (shade)	4 to 6 feet
*Euonymus radicans—in variety	4 to 6 feet
Honeysuckle—in variety (Halliana in shade)	8 to 10 feet
Climbing Roses—in extensive variety	6 to 8 feet
Wisteria—in variety	8 to 10 feet

C. & D. HARDY FIELD GROWN ROSES

Our Roses are all **hardy, 2-year, field-grown plants**, full of vigor. Stronger roots and stronger tops make for better blooms and more of them. Our 1931 stock is the finest in our history. Our special Rose Offers are the best values obtainable in top-size quality Rose plants.

Complying with the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we furnish all dormant Bush Roses to you whether by mail or express, trimmed ready to plant.

CLIMBING ROSES

CRIMSON RAMBLER. Produces a marvelous profusion of rich and glowing crimson clusters during June and July. Remarkable grower.

CLIMBING AMERICAN BEAUTY. A strong climber having all characteristics of the true American Beauty. Abundant bloomer, heavy foliage.

DR. W. VAN FLEET. New type, flesh pink, very hardy. Flowers when open run four inches in diameter. A good cutting variety.

DOROTHY PERKINS. Shell pink. Large clusters of small double bloom, very sweet scented. Possibly the showiest of climbers.

EXCELSA. A new hardy, intense crimson climber described as an improved Crimson Rambler. A gorgeous sight when in bloom.

FLOWER OF FAIRFIELD. Produces repeated crops of bloom from Spring until late Autumn. Scarlet. Truly an everbloomer.

HYBRID PERPETUAL ROSES

AMERICAN BEAUTY. The most popular and well known Rose of all. Large blooms of dark pink to soft crimson. Strong and hardy grower.

EUGENE FURST. Flowers are brilliant crimson with dark purple shading. A profuse and fragrant bloomer. Plant vigorous.

FRAU KARL DRUSCHKI. The most popular white Rose known. Snow white, immense size, sometimes almost six inches. Flowers in June.

GEN. JACQUEMINOT. Known everywhere as the Jack Rose. Flowers large and full, fragrant, scarlet-crimson.

MRS. JOHN LAING. Flowers very large, clear pink, from long tapered buds. A popular variety. Has gold medal award.

PAUL NEYRON. A pink Rose, often measures six inches across. Probably the largest Rose suited for general use. Strong.

ULRICH BRUNNER. Cherry red of immense size, fine form and most effective in the garden. An excellent variety.



Columbia Rose.

SUMMER PLANTING

Summer planting of Evergreens, Shrubs, Roses, Vines, etc., is possible through the fact that some of this material is grown on a soil that allows us to dig plant materials with a generous ball of earth. Proper handling insures a healthy growth. Ask us about this type of service.

HYBRID TEA ROSES

The following are the true everblooming Roses. These roses should be planted from fifteen inches to two feet apart.

COLUMBIA. A beautiful pink Rose deepening in color as blooms mature.

GRUSS AN TEPLITZ. Perhaps the steadiest blooming Rose. Flower dark rich crimson changing to velvet fiery red.

KAISERIN AUGUSTA VICTORIA. An old favorite white, sometimes varying to delicate pink. Large, full round blossoms.

KILLARNEY. Deliciously perfumed bloom of delicate flesh color. Exceptional because of its long pointed bud.

LOS ANGELES. Flowers flame pink and coral shading to yellow at the base. Very fragrant.

OPHELIA. Large, perfect full blooms of beautiful pinkish flesh color fading to yellow.

RADIANCE. Light pink flowers shading to beautiful darker shades of pink. A tall grower.

RED RADIANCE. An offspring of Radiance although color an excellent deep red.

RUGOSA ROSES

CONRAD F. MEYER. Flowers very large, bright gleaming rose color, double and fragrant.

F. J. GROOTENDORST. Flowers borne in profuse clusters. Small, red. A popular variety.

SIR THOMAS LIPTON. Large double snow-white fragrant flowers. Blooms more than once through the season.

BABY RAMBLER. We can supply this in red and pink.

Prices on Roses:

	Each	10	100
Climbing Roses	\$0.50	\$4.00	\$35.00
Hybrid Teas and Perpetuals .....	.60	5.00	40.00
Rugosa and Baby Ramblers .....	.60	5.00	40.00

(POSTAGE PREPAID)

We can supply any known variety of Rose in quantities of ten or more at the above prices. This applies, of course, to varieties other than those listed above.

THE ROSE JAR COLLECTION

Grow these lovely older kinds for memory's sake; and fill your Rose jar with their exquisitely scented petals.

AMERICAN BEAUTY. Crimson.

GEN. JACQUEMINOT. Carmine.

KILLARNEY. Marbled pink.

OPHELIA. Orange-yellow.

LOS ANGELES. Gilded coral-pink.

MADAME BUTTERFLY. Pink and buff.

MME. E. HERRIOT. Burnt orange and salmon.

RADIANCE. Standard rose-pink.

RED RADIANCE. Crimson-red.

WHITE KILLARNEY. Snow-white.

We offer one each of the above named glorious old favorites (value \$7.50).

THE 10 BY MAIL
POSTPAID FOR **\$5.00**

HOW TO SUCCEED WITH ROSES

TREATMENT ON ARRIVAL. If, upon arrival the roots seem to be very dry, soak them thoroughly in water; if the stems as well are too dry, bury the entire plant in the ground for two or three days. At no time after unpacking should the roots be exposed to the sun or dry winds; a very little neglect at this time working serious if not fatal injury to the bush.

PLANTING. In preparing a Rose bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of two or three feet and about three feet in width; then refill the trench with a mixture of soil (any good fertile soil will do) and well-rotted cow manure, making provision for good drainage if location is not naturally drained. Time should be allowed for this filling to settle, the final top surface being an inch or two below the edges of the bed. Do not raise the surface of Rose beds above the surrounding surface. They suffer less from drought when left level with the turf. Plant your Roses in the center, being very particular to press and tamp the soil firmly around the roots and soaking the bed thoroughly at the finish. The ever-bloomers may be set 18 inches apart, the Hybrid Perpetuals about 2 feet. After the plants have been set out, keep the soil loose to the depth of an inch or two, by frequent stirrings. An occasional soaking with weak manure water is a great help to Roses of all sorts, and is especially active during the blooming season. Towards the end of July, a mulch of long-strawed manure will aid in preserving what moisture is in the soil during the customary droughts of the "dog days."

GETTING ROSES READY FOR WINTER. Cover the bed at least six inches with leaves or manure, a binding surface of dirt, corn stalks or boughs on top. A convenient method is to confine this dressing by an enclosure

of 12-inch chicken wire.

SPRAYING ROSES. While healthy and vigorous plants are not especially susceptible to disease or pests, some pests will appear. For the leaf-eating insects, chafers, slugs and beetles, use arsenate of lead. For aphids or leaf hopper, use kerosene emulsion. For diseases such as spot or mildew, use bordeaux mixture. Potassium sulphide, one ounce to three gallons of water is excellent to control mildew.

HOW TO PRUNE ROSES. The weak shoots and surplus wood are removed by us before sending stock out, so that what the customer gets is all ready to plant. Every spring, usually the fore part of March, just before the leaf buds begin to swell, the winter covering should be gradually removed, and the bushes pruned.

Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous.

The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed; and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth. Suckers from the manetti stock should be cut off at once, and may be recognized by a difference in color and arrangement of seven leaves instead of five, as in almost all varieties of Roses. Do not be afraid of the knife, the flowers will be larger and richer in color, and the bed more sightly.

Perennial Flowering Plants

PRICES OF PERENNIALS: 25c each; 5 for \$1.00; \$2.00 per doz., except where noted. Postage prepaid.

***ACHILLEA ptarmica.** Hardy perennial. Tiny, roselike flowers of pure white; foliage fine and feathery. Blooms nearly all summer.

AGROSTEMMA (Mullein Pink). Crimson flowers; foliage a powdery, silver gray; 2½ to 3 feet. June to August.

ANEMONE (Windflower). One of the most showy of all our autumn-flowering herbaceous plants. Blooms freely from August till frost. White.

***ARABIS alpina** (Rock Cress). Produces masses of pure white flowers; splendid for borders and rockeries. Flowers fine for cutting; last a long time.

ASTERS (Daisies or Starwort). Large, pyramidal spikes of large, light lavender-blue flowers; very free blooming. One of the best and showiest. 5 feet.

ASTILBE (Spirea). Hybrid varieties of very vigorous growth, producing many-branched, feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

***BABY'S BREATH** (Gypsophila). Masses of minute, delicate, pure white flowers in June and July. Grows 2 to 3 feet high.

BLANKET FLOWER (Gaillardia). Most satisfactory bedding perennial. Gay yellow and orange blossoms. Grows 12 to 18 inches high.

BLAZING STAR (Liatris). Long, narrow spikes, 4 to 5 feet tall, of rich purple flowers in July and August.

BLEEDING HEART (Dicentra spectabilis). Heart-shaped, pink flowers in long, drooping racemes from April to June. Grows 2 to 3 feet. 50c each.

***CANTERBURY BELLS** (Campanula medium). Bell-shaped flowers of various colors in June and July. Fine for cutting. Grows 2 to 3 feet high. Colors white, rose and blue. Order by color.

CARNATIONS, Hardy Double. We offer a selected strain in mixed colors which will furnish an abundance of cut flowers during June and July. Grows 1 foot high.

CHRYSANTHEMUMS, Hardy Garden. A perfect mass of flowers in October and November. Grows 3 to 4 feet high. We offer four colors, pink, red, white and yellow. Order by color.

***COLUMBINE** (Aquilegia). Blooms from May to June. Fine for borders, rockeries and as cut flowers. Grows 2 to 3 feet high. Shades of blue, white, yellow, pink and rose.

COREOPSIS (Tickseed). A profusion of golden yellow flowers on long, graceful stems from early June until frost. Excellent for cutting. Grows 2 feet high.

PAINTED DAISY (Pyrethrum). A profusion of chrysanthemum-shaped flowers from June through September. A mixture of colors. Grows 2 to 3 feet high.



Hardy Chrysanthemums.

DELPHINIUMS (Hardy Larkspur).

Belladonna. Magnificent, large spikes of the most delicate turquoise blue. June to October. Grow 4 to 5 feet high. **Bellamosum.** A very dark blue variety, excellent for planting in contrast with the lighter blue shade of the Belladonna.

***DIANTHUS** (Hardy Pinks). Without the spicy fragrance of the Hardy Pinks a garden is incomplete. Their perfect form and rich coloring make them great favorites for edging flower beds, garden walks and drives.

FOXGLOVE (Digitalis). Tall, stately spikes of big, bell-shaped flowers. Grow 5 to 6 feet tall. A mixture of colors.

HOLLYHOCKS (Althea rosea). Stately, majestic spikes, 6 to 8 feet high, of peony-like flowers in July and August. We offer the following colors: Double red, double white, double Newport-pink, double salmon and double yellow.

LATHYRUS (Perennial Pea). Everblooming hardy climbers. Profusion of flowers in summer; fine for covering walls or the trellis.

***LINUM** (Flax). Flowers pale blue on erect terminal racemes. June to September.

LUPINUS (Lupine). Blooms latter part of May and early June. Grows about 3 feet high, large spikes of blue flowers. Very effective in border plantings.

MALLOW MARVELS (Hibiscus). We offer three distinct colors, white, rose and blue.

***MOSS PINK** (Phlox subulata). An early spring flower. A mass of rose-pink bloom in April and May. An excellent plant for the rockery and perennial border. Grows 3 to 6 inches high.

HOW TO PLANT AND GROW PERENNIALS

SPACING. In planting perennials, it is generally safe to space those varieties which do not grow above 2 feet, about 12 inches apart; the taller ones at intervals of one-half the ultimate height. Crowded or stingy planting are equally disastrous to healthy growth and perfect effect.

CULTIVATION. Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little mulch of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

TRAINING. Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

TIDINESS goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc.,

will repay the odd moments of time and attention.

DIVIDING. The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw, manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and insure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

***MYOSOTIS** (Forget-me-not). Excellent for border front or bedding. Light blue flowers. When planted in shady location will bloom all summer.

***PACHYSANDRA terminalis**. A trailing plant; flowers white, in terminal spikes; evergreen foliage.

PHLOX.

Eclairer. Large carmine, with salmon center.

Mrs. Jenkins. White flowers in immense panicles. Very free bloomer.

Rijnstroom. Deep pink in large masses.

R. P. Struthers. Carmine, claret-red eye.

PLATYCODON (Balloon Flower). Large, handsome, bell-shaped flowers. Erect growth. A fine border plant.

Grandiflorum. Large, deep blue, copper, star-shaped flowers. July to September.

RED HOT POKER (Tritoma Pfitzeri). Unique-shaped flower heads of orange-scarlet on spikes 3 to 4 feet high from August to October. A free and continuous bloomer. Should be given winter protection.

ORIENTAL POPPY (Papaver orientale). Tremendous, cup-shaped blooms of brightest crimson-scarlet, with large, purplish black blotches at base of petals from May to July. Grows 2 to 3 feet high.

RUBBECKIA (Golden Glow). One of the finest of all perennials; strong, vigorous grower, producing beautiful, double, golden yellow flowers in greatest profusion. 5 to 6 feet.

SCABIOSA (Mourning Bride). Attractive bushy plants well suited to the border, thriving in sunny location and producing great quantities of beautiful flowers on good stems. Fine for cutting.

***SEDUM** (Stonecrop). The Sedums are of the easiest culture and as the name indicates are suited to cracks in rockeries, dry, sandy banks and other such inhospitable places.

Acre (Golden Moss). Much used for covering graves; foliage green; flowers bright yellow.

Spectabile "Brilliant." A richly colored variety of the preceding, being a bright amaranth-red.

SHASTA DAISY (Chrysanthemum maximum). Its handsome, large, glistening white blossoms appear in early June and last through July. Grows 2 feet high.

***SWEET WILLIAM** (Dianthus barbatus). Great masses of extremely rich colored flowers in May and June. Grows 2 feet high.

***STATICE** (Sea Lavender). Very ornamental. Suited to rockwork and isolated positions, and for mixing in the crowded border. Useful for cut blooms.

STOKESIA (Stokes' Aster; Cornflower Aster). A grand, large flowered, hardy perennial, growing 18 to 24 inches high, and covered with centaurea-like flowers of a beautiful lavender-blue shade, and often 4 to 5 inches across. Blooms July to October.

VERONICA (Speedwell). 8 to 12 inches. June. A slender species with short spikes of amethyst-blue flowers.

***YUCCA** (Adam's Needle). Of tropical appearance. Its broad, swordlike, evergreen foliage, and immense, branching spikes of drooping creamy white flowers rising to a height of 5 feet.

Variegated Leaved Yucca. Same as ordinary Yucca except that its bayonet-shaped leaves have a dark bronze-green center stripe, with an outer edge of yellow on each side.



Sedum Spectabile "Brilliant."

PRICES OF PERENNIALS

25c each; 5 for \$1.00; \$2.00 per dozen, except where noted. Postage Prepaid.

PERENNIAL BED OFFER 12 Foot Border of Hardy Flowers

Enough to plant a border 4 feet wide and 12 feet long. Plant at edge of lawn or in front of shrubbery.

4 Hollyhocks	\$0.70
4 Shasta Daisies .....	.70
3 Coreopsis .....	.60
3 Phlox .....	.70
4 Platycodon Mariasi .....	.70
4 Foxgloves .....	.85
4 Gaillardia .....	.85

Regular Catalog Price\$5.10

SPECIAL PRICE \$4.25
POSTPAID

FARMERS & MERCHANTS NATIONAL BANK AND TRUST CO.

Benton Harbor, Mich., Jan. 2, 1931.

To Whom It May Concern:

We take pleasure in stating that Cutler & Downing Company are valued depositors of ours, with whom we have had pleasant business dealings for the past twenty-five years. The management is capable and conservative. They are well financed and in good credit standing, and we do not hesitate to recommend them most highly.

Yours very truly,
MILTON HINKLEY,
President.

BULBS

We are in position to offer any of the bulbs suitable for Spring planting such as Cannas, Caladium (Elephant's Ear), Dahlias, Gladioli, Tuberoses, Oxalis and others. We also import from Holland each Fall thousands of Tulips, Hyacinths, Crocus, Narcissis, etc. These are available for only Fall planting. Ask us to send you our special Fall bulb catalog.

BOLENS GARDEN TRACTOR

We are authorized distributors of the famous Bolens tractor. Various models may be seen on the floor of our Elm Street Store at any time. We are also dealers of the Bolens and Cooper Power Mowers as well as the Ideal Power Mower.

DOG SUPPLIES

We are the largest distributors of bulk and sacked Dog Foods and Dog Supplies in this section of the state. Here you will find everything pertaining to the Dog and Cat.

DOG FOODS



VITAMON. A superior balanced ration for cats and dogs, containing wholesome meat and cereal. U. S. inspected and fit for human consumption. Packed in 1-lb. handy tins. Per can, 15c; 7 cans, \$1.00; case of 48 cans, \$6.25.

(This is without question the best meat food on the market today. Sold under an absolute guarantee of satisfaction).

KEN-L-RATION. A balanced ration ready to serve, containing ingredients very essential for the growth and development of the dog. Per can, 15c; 7 cans, \$1.00; case of 48 cans, \$6.25.

PUP-E-RATION. Fed regularly this food will build up a natural wall of resistance against diseases common to the puppy. Per can, 15c; 7 cans, \$1.00; case of 48 cans, \$6.25.

KITE-RATION. A supreme cat food, wonderfully balanced, containing ingredients essential for growth and development of the cat. Per can, 15c; 7 cans, \$1.00; case of 48 cans, \$6.25.

CANNED MEAT. A Miller product of solid, pure cooked meat. A concentrated product which can be mixed with cereal or biscuit foods. 2 1/4-lb. can, 40c.

BULK AND SACKED DOG FOOD

Order dog food by the sack. It is cheaper in price and always available.

	1 lb.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Miller's A-1 Ration	\$.00.10	\$0.80	\$1.75	\$3.00	\$6.00
Miller's Kibbled Biscuit	.15	1.25	3.00	5.00	9.00
Miller's A-1 Biscuit	.14	1.00	2.50	4.50	8.50
Rose's Meat and Bonemeal	.10	.75	1.50	2.75	5.00
Spratt's Ovals	.17	1.50	3.50	6.25	12.00
Spratt's Dog Cakes	.17	1.50	3.50	6.25	12.00

PACKAGE FOODS

Kib-L-Biskit	.....	.40
Bennett's Milk Bone Puppy Food—		
10 oz.	.....	.20
48 oz.	.....	.40
Miller's A-1 Puppy Meal	.....	.40
Miller's A-1 Biscuit	.....	.35
Miller's Kibbled Biscuit	.....	.40
Miller's A-1 Ration, 5 lbs.	.....	.60
Miller's A-1 Quick-Lunch	.....	.15

PRICES OF SERGEANT'S DOG REMEDIES

Sergeant's Special Medicine. For treating fever in pups and dogs	.....	\$1.20
Sergeant's Mange Medicine. For treating skin diseases	.....	.65
Sergeant's Condition Pills. A tonic and alternative for pups and dogs	.....	.60
Sergeant's Sure Shot Capsules. For roundworms, pinworms and hookworms in older pups of any breed; also for larger and older dogs	.....	.60
Sergeant's Puppy Capsules. For young pups and toy breeds for round and hookworms	.....	.60
Sergeant's Sure Shot Liquid. For pups and older dogs. For owners who prefer a liquid vermifuge for round worms	.....	.60
Sergeant's Tape Worm Medicine. For tapeworm in pups and dogs	.....	.60
Sergeant's Compound Arsenic and Iron Pills. A blood purifier. For treating blood and skin diseases	.....	.60
Sergeant's Canker Wash. For treating internal and external ear canker	.....	.60
Sergeant's Mouth Wash. For treating sore mouth and black tongue	.....	.60
Sergeant's Compound Pepsin Tablets. For treating indigestion, vomiting and colic in pups and dogs. Splendid for pups at weaning time	.....	.60
Sergeant's Expectorant Medicine. For coughs and colds in pups and dogs	.....	.60
Sergeant's Diuretic Pills. An aid in treating rheumatism and lumbago in pups and dogs; stimulates urinary action	.....	.60
Sergeant's Liniment. A splendid liniment for lameness, sore muscles and swollen limbs in pups and dogs	.....	.60
Sergeant's Eye Wash. For treating eye troubles in pups and dogs	.....	.60
Sergeant's Laxative Capsules. For treating constipation in pups and dogs	.....	.60
Sergeant's Nerve Sedative Medicine. For running-barking fits	.....	2.00

Sergeant's Carbolic Tar Soap. A splendid all-purpose soap	.....	\$.025
Sergeant's Skip-Flea Soap. A wonderful bath soap for pups and dogs. Will kill fleas and lice. A pure high-grade soap that soothes the skin and leaves coat soft and fluffy	.....	.25
Sergeant's Skip-Flea Powder. For fleas and lice on dogs and cats. Will not nauseate and is not injurious	.....	.25
Sergeant's Disinfectant—		
4-oz. bottles	.....	.25
12-oz. bottles	.....	.50
1 quart	.....	.75
1 gallon	.....	2.00
An antiseptic and insecticide, cleaner and deodorant. Aids in preventing diseases. Of great value for use in cases of distemper, mange, black tongue and other contagious diseases; will rid the kennel's sleeping quarters and premises of fleas and lice. Will kill fleas and lice on dogs and other animals, and is excellent as a kennel dip.	.....
Glover's Mange Medicine	.....	\$.065
Glover's Kennel and Flea Soap	.....	.25
Kovita. Cod-liver oil for dogs.		
5 oz.	.....	.50
1 pint	.....	1.00
Cooper's Kur-Mange	.....	.75
Cooper's Pulvex	.....	.50
Cooper's Sorex	.....	.50

We pay postage on any dog remedies ordered by mail.

DOGS FOR SALE

At various times during the year we have on hand puppies of various breeds offered for sale. We are able, however, at any time to quote on various breeds and solicit your correspondence, if interested.

CAT SUPPLIES

Catnip Mouse. Something for your cat to play with	.....	\$.10
Catnip Ball. A wooden ball which can be refilled with loose catnip	.....	.15
Loose Catnip. Large box of fresh, loose catnip	.....	.15
Gift Box. Contains a catnip mouse, a catnip ball and fresh, dried catnip	.....	.25
Cat Food. Spratt's special food with fish and milk	.....	.35
Katonic. A tonic medicine for cats and kittens	.....	.25
Danilax. A liquid laxative for the dog or cat	.....	.35
Worm Drop Capsules. For round worms in cats, kittens and small puppies	.....	.65
Liquid Worm Drops. For worming the cat or kitten	.....	.50

FEED YOUR DOG



Miller's A-1 Dog Foods

Feed him these good products with their fresh appetizing flavor and food essentials he needs to keep healthy and happy.

FREE SAMPLES

Come in for free samples and a valuable dog book.

BIRD SEED AND SUPPLIES

Our store is very often called "The Pet Store" due to the fact we have on hand many kinds of pets. We offer for sale guaranteed singing canaries at all times. We have what we believe the largest and most complete stock of bird supplies to be found in this section.

Kaempfer's Bird Seed	\$0.25
Kaempfer's Parakeet Seed .....	.25
Kaempfer's Bird Gravel .....	.15
Kaempfer's Birdolene .....	.25
Kaempfer's Food Kit .....	.90
Kaempfer's High Ball .....	.15
Kaempfer's Ting-A-Ling .....	.15
Kaempfer's Nestling Food .....	.20
Kaempfer's Egg Food .....	.25
Kaempfer's Insect Destroyer .....	.15
Kaempfer's Color Food .....	.25
Kaempfer's Charcoal .....	.15
Kaempfer's Bird Tonic .....	.25
Kaempfer's Bird Nesting .....	.10
Kaempfer's Molting Food .....	.25
Kaempfer's Foot Ointment .....	.25
Kaempfer's Cuttle Bone .....	.10
French's Bird Seed .....	.15
French's Bird Tonic .....	.20
French's Bird Biscuit .....	.10
Rainbow Egg and Nestling Food .....	.15
Rainbow Honeyball .....	.10
Spratt's Sing-Song .....	.15
Magic Song Restorer. 3 1/2 ozs. ....	.30
Magic Song Restorer. 22 1/2 ozs.	1.25
Canary Pulvex .....	.25
Breeding Cages	1.25
Seed Cups .....	.10
Bird Baths .....	.15
Treat Cups .....	.10
Cod Liver Oil for Birds .....	.25
Gravel Paper, per pkg. ....	.25
Sunflower Seed for Parrots .....	.15

BIRDS

Singing Canaries. Guaranteed to be in full song	\$6.00
Love Birds, per pair	8.00

RE-CLEANED BIRD SEEDS

In quantities offered below, prepaid.	Lb.	5 lbs.	10 lbs.
Mixed Bird	\$0.20	\$0.90	\$1.70
Canary, Plain .....	.20	.90	1.70
Rape, Sweet .....	.20	.90	1.70
Hemp .....	.20	.90	1.70
Millet .....	.20	.85	1.60
Sunflower .....	.15	.70	1.30

KAEMPFER BIRD CARE

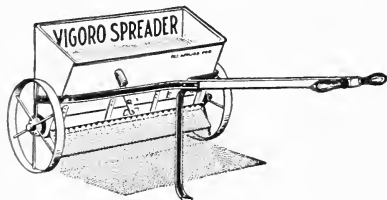
A valuable booklet on the care and treatment of canaries and other birds with feeding directions. A valuable book; free for the asking.

HEGER'S LIBERTY BELL

A good highball to which is attached a liberty bell. A very good value at 15c.

BIRD HOUSES

Houses and Feeding Stations suitable for wrens, Blue Jays, etc. Priced from 25c to \$1.50.



The new VIGORO SPREADER can be used to very good advantage for the distribution of fertilizer or grass seed. It spreads evenly. 14-inch, \$8.25; 24-inch, \$12.95.

A BOOK YOU NEED

"Common Garden Pests" by Gregory and Davis. This book, we believe, should be in the hands of everyone interested in gardening of any nature. It treats every known flower, vegetable, tree, shrub, etc.; the description of the pest attacking same, a solution of symptoms and a recommendation for treatment of same. It is truly a marvelous book. Price, 65c, postpaid.

FERTILIZERS

LOMA. A scientifically prepared plant food for lawns, flower gardens, vegetable gardens, shrubbery, potted plants. 5-lb. pkg., 60c; 10-lb. pkg., \$1.00; 25-lb. pkg., \$2.25; 50-lb. bag, \$3.50; 100-lb. bag, \$6.00.

PULVERIZED SHEEP MANURE.

A natural plant food that makes plants grow to perfection. No waste or fiber with all weed seeds killed. 100-lb. sack, \$2.50; 50-lb. sack, \$1.50; 25-lb. sack, \$1.00; 5-lb. pkg., 35c. Special ton price.

BONE MEAL (Ground).

Made from pure animal bone. Unusually rich in nitrogen and phosphoric acid. Ideal for lawn making, as plant food is taken up only as required and for that reason continues to feed grass for a long time. 100-lb. sack, \$4.00. Less than a sack, per lb., 5c.

NITRATE OF SODA.

A strong nitrogen fertilizer that produces rapid and luxuriant growth within a few days after applying. Per lb., 10c; per 100 lbs., \$5.00. Special ton price.

SULPHATE OF AMMONIA.

A highly concentrated quick-acting nitrogenous fertilizer with a guaranteed analysis of 25% ammonia. Easily soluble and quick acting. 2-lb. pkg., 25c; 5-lb. pkg., 50c; 10-lb. pkg., 90c; 25-lb. pkg., \$2.00. Special ton price.

PULVERIZED LIMESTONE.

We offer this in two grades. A fine pulverized grade in paper sacks at 80c per sack, \$8.00 per ton. Also a coarse stone that will run 50% or more dust at \$4.00 per ton at warehouse and a special price of \$2.50 per ton in car lots.

MILORGANITE. The ideal turf fertilizer produced by the Milwaukee Sewerage Commission. 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50. (This fertilizer is used on the greens at Berrien Hills Country Club).

ADCO. 25-lb. bags, \$2.00.

COMMERCIAL FERTILIZERS

	Analysis
Swift's Red Steer Bone Fertilizer	1 1/4-29-0
Swift's Red Steer Super Phosphate	0-20-0
Swift's Red Steer Super Phosphate	0-16-0
Swift's Red Steer Fertilizer	4-16-4
Swift's Red Steer Fertilizer	4-8-6
Swift's Red Steer Fertilizer	3-12-4
Swift's Red Steer Fertilizer	2-12-6
Swift's Red Steer Fertilizer	2-12-2
Swift's Red Steer Fertilizer	2-8-16
Swift's Red Steer Fertilizer	0-8-24
Swift's Red Steer Fertilizer	2-16-2
Darling's Fertilizer, Farmer's Fav.	3-8-6
Darling's Fertilizer, Crop King	2-12-6
Darling's Fertilizer, Big Harvest	2-12-2
Darling's Fertilizer, Super Phosph.	0-20-0

ASK
FOR
SPECIAL
PRICES

These prices subject to 5% discount for cash in ton lots. Prices are subject to market changes.

Feed Everything You Grow

with this complete,
balanced diet

VIGORO
Complete plant food



12-oz. pkg.	\$0.10
5-lb. pkg. ....	.50
25-lb. bag	1.75
50-lb. bag	3.00
100-lb. bag	5.00

TRY A BAG

HOWLING DOG

Small, white, rubber dog head that whistles when squeezed together. Affords dogs and pups with needed exercise. Each, 25c.

Spray Materials

DRY LIME-SULPHUR. For dormant spraying against San Jose scale, oyster shell scale, blister mite, and peach leaf curl. Also for Summer spraying against fungous diseases. 1-lb. can, 25c; 10-lb. drum, \$1.50; 50-lb. drum, \$5.75; 100-lb. drum, \$10.50; 200-lb. drum, \$19.00.

LIQUID LIME-SULPHUR. Used for same diseases as above noted but in liquid form. Single gallons, 50c; 45-gal. bbl., 17c per gal.

DERRISOL. A non-poisonous insecticide for most aphids, thrips and leaf hoppers on roses, orchard and garden crops. 1-oz. bottle, 35c; 8-oz. bottle, \$1.20; 1 lb., \$2.00; 2 lbs., \$3.00; 10 lbs., \$11.00.

SHEP'S PLANT SPRAY. A non-poisonous insecticide controls and kills bugs, thrip, aphids, worms, mildew, scale, etc., on flowers, vegetables, vines and shrubs. 2-oz. bottle, 35c; 8-oz. bottle, 75c; 16-oz. bottle, \$1.25; 1-qt. can, \$2.00; 1 gal., \$6.35.

VOLCK. A spray developed to control greenhouse and nursery pests such as spiders, mites, white flies, mealy bugs, scales, mildew, etc. Also valuable pear spray. 1/2 pt., 50c; 1 pt., 75c; 1 qt., \$1.00; 1 gal., \$3.00; 5 gal., \$12.50.

BLUE VITRIOL. Also called bluestone or copper sulphate. Indispensable in most spray mixtures. 1 lb., 8c; 1 bbl., 450 lbs. @ 7 1/2c.

ARSENATE OF LEAD (Powdered). A necessary ingredient in most spray mixtures. Can be used for wet spraying or dry dusting. 1-lb. can, 25c; 3-lb. carton, 50c; 48-lb. carton, \$7.68. Quantity price: cash 15c; time 16c.

CALCIUM ARSENATE. Controls potato beetle, cabbage worm and other chewing insects. 3-lb. carton, 45c; 48-lb. carton, \$7.20.

PYROX (Bowker's). A combined insecticide and fungicide for all leaf-eating insects, blight, and fungous trouble. It is a pasty substance and needs only to be mixed with cold water. 1-lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00.

KAYSO. Combined casein spreader and adhesive. Use with any insecticide. 1-lb., 30c; 2 lbs., 50c; 10 lbs., \$2.25.

FISH-OIL SOAP (Whale Oil Soap). For destruction of sucking insects and lice on plants and trees. Also essential as a spreader of nicotine sprays. 1-lb. can, 25c; 5-lb. can, \$1.00; 10-lb. can, \$1.75.

EVER GREEN. A non-poisonous insecticide effective in both greenhouse and in the flower and vegetable garden. Destroys both chewing and sucking insects without danger of burning plants. 1 1/2-oz. bottle, 35c; 6 ozs., \$1.00; 1 pt., \$2.00; 1 qt., \$3.50; 1 gal., \$13.00; 5-gal. can, \$50.00.

SUNOCO SPRAY OIL. Controls aphids, psylla, red spiders, scale, etc. Single gallons, 75c; 30-gal. bbls., \$18.00; 50-gal. bbls., \$25.00.

BORDEAUX MIXTURE (Powdered). For blight and fungous diseases on potatoes and fruit trees. Can be used for wet spraying or dry dusting. 1-lb. can, 25c; 4-lb. carton, 60c; 48-lb. carton, \$6.72.

BLACK LEAF "40." A concentrated nicotine solution for aphids, thrips and red spider. Also very effective as a lice exterminator in the poultry house. 1 oz., 35c; 1/2 lb., \$1.25; 1 lb., \$2.50; 2 lbs., \$3.75; 5 lbs., \$7.00; 10 lbs., \$11.85.

PARIS GREEN. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. 1/4 lb., 15c; 1 lb., 55c; 4 lbs., \$1.75.

DUSTING MATERIALS

GREEN GARDEN DUST. A dust for use on vegetables for mildew, rust, leaf spot. Also makes quick kill on biting insects. Handy 2-lb. shaker can, 50c.

GREEN ROSE DUST. This supplies a complete fungicide and insecticide for rose pests. Is green in color to match foliage. Handy 2-lb. shaker can, 50c.

PINK REPELLENT DUST. It drives off beetles attacking cucumbers, asparagus, potatoes, tomatoes and garden truck in general. Handy 2-lb. shaker can, 40c.

We always have in stock Medina Dusts of all kinds for the commercial farmer. Ask for Special Dust List.

INSECTICIDES



SEMESAN. The modern seed disinfectant. May be used in either dust or liquid form. For disinfecting seeds, bulbs, roots, and cereals. Prevents "damping off" and brown-patch. Semesan increases germination, promotes early maturity and improves quality and increases yield. 2 ozs., 50c; 1 lb., \$2.75; 5 lbs., \$13.00.

SEMESAN JR. A disinfectant for seed corn diseases. Seed treated with this insecticide produces a better yield of both corn and fodder. 4-oz. tin, 50c; 1 lb., \$1.75; 5-lb. tin, \$8.00.



SEMESAN BEL. An instantaneous disinfectant dip for seed potatoes. 1-lb. package treats from 16 to 22 bushels of seed pieces. Also use for flower roots as dahlias and iris. 1-lb. tin, \$1.75; 5-lb. tin, \$8.00.

CERESAN. Dust disinfectant for wheat, oats, barley, rye and sorghum. Controls stinking smut of wheat, covered smut of oats and proves effective in the control of seed corn seedling blight caused by the scab fungus. 5-lb. can, \$3.00.



CYANOGLAS
REG. U.S. PAT. OFF.
CALCIUM CYANIDE

CYANOGLAS. "Calcium Cyanide." Grade A. Effective against ground moles, rats, mice, gophers, squirrels and in fact most any kind of an insect. 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$3.00. Special Cyanogas Dust Gun, \$1.00.

CYANOGLAS. Grade G. Greenhouse fumigant, gives complete control over white fly, aphids, soft scale and thrips. Easily applied. 5 lbs., \$3.00; 25 lbs., \$10.00.

NU-GREEN. Used to promote healthy vigorous growth of lawns, potted plants, flowers and shrubs. 3-oz. can, 50c; 1-lb. can, \$2.00.

PARADOW (Paradichlorobenzene). Kills the peach tree borer. To be used in early September around base of tree. Use from 1/4 to 1 oz., depending on age of tree. 1 lb., 25c; in cans, lb., 35c.

We pay Postage, Express or Freight on all Spray Materials, Insecticides, Fertilizers, etc. You can do better in dealing with us.

Manure! More Manure!

You must have manure, and thanks to ADCO you can have quantities of it. You can turn every bit of vegetable refuse—cuttings, weeds, leaves, etc., from the garden, straw and cornstalks from the farm, into rich manure by the simple ADCO Process. Information free.



ADCO. 25-lb. bags, \$2.00.

Miscellaneous Items

KOW-KARE. The greatest cow tonic and conditioner. Tones up the appetite and increases milk production. A general regulator for cows. 1 1/4-lb. can, 65c.

DR. LEGEAR'S LICE POWDER. For lice on poultry. In a special sifter top can. Per can, 25c.

DR. LEGEAR'S POULTRY PRESCRIPTION. A preparation to increase the egg yield. Small size, 30c. Medium size, 60c. Large size, \$1.00.

DR. LEGEAR'S STOCK POWDER. An excellent remedy for horses, cattle, sheep and hogs. Medium size, 50c. Large size, \$1.00.

OLD HICKORY SMOKED SALT. Pure salt smoked with genuine hickory smoke, and blended with sugar. The modern process for curing meats. 1-lb., 15c; 10 lbs., \$1.25.

HOTKAPS. The individual hothouse for every plant. Made of wax paper in the form of a cone which completely covers the plant. Protection against frost, wind, insects, etc. Trial package, 100 with setter, \$2.50. Package of 250 with setter, \$4.00. Package of 1000, \$11.50.

MULCH PAPER. We handle only the genuine Gator Hide mulch paper, which will revolutionize farming in this community. By using mulch paper you practically eliminate necessity of cultivating and weeding. It retains moisture and stimulates plant growth. Roll 18 in. wide, 900 ft. long, \$3.50; 36 in. wide, 900 ft., \$7.00.

COPPER CARBONATE. The most popular preparation for treating seed wheat against smut. It is used dry and the seed may be treated in the Winter without any injury to it. 2 ozs. treats 1 bushel seed. 5-lb. carton, \$1.50.

INOCULATION. It pays to inoculate seeds before planting. We have these cultures in stock at all times. Prices, 1/2 bu., 35c; 1 bu., 50c.

K-R-O RAT KILLER. Not a poison. Harmless to use around home, barn or poultry house. A guaranteed product. Pkg., 75c.

BLACK FLAG. (Insect Powder). Kills flies, mosquitoes, roaches, bed bugs, moths, etc. Small pkg., 15c. Medium pkg., 40c.

ANT-BANE. A guaranteed remedy to exterminate ants. Pkg., 35c.

ANTROL. A scientific system of ant extermination which gets them at the source. Set of four jars and 4-oz. bottle of syrup, \$1.00. Extra pints of syrup, \$1.00.



Antrol

Snarol

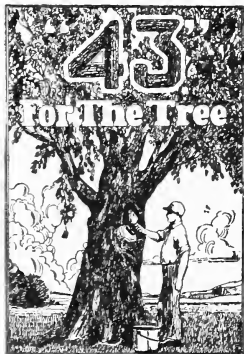
The National Pest Control

SNAROL. An effective bait for controlling cut-worms, grasshoppers, snails, slugs and sow bugs. Not injurious to plants. 1 lb., 50c; 3 lbs., \$1.00.

TREE LABELS. Wood labels with copper wire. 3 1/2 x 5 1/2 inches. For trees, shrubs, etc. Per 100, 40c; per 1000, \$2.50.

HANGING BASKETS. Wire, painted green. 8 in., 30c; 10 in., 40c; 12 in., 50c. Hanging wire canoes, 30 in., 75c.

POULTRY COD-LIVER-OIL. A vitamin-rich food for chicks and fowls. 1 gal., \$3.00; 1/2 gal., \$1.75; 1 qt., \$1.00.



"43" FOR THE TREE. Used exclusively by our tree repair department for disinfecting tree wounds. It insures the healing of wounds. Can be used to good advantage on the farm after heavy pruning of fruit trees. Lb., 50c; qt., \$1.25; 1/2 gal., \$2.00; gal., \$3.00.



MOUSE SEED. The most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muss. "A saucer and seed is all you need." 25c per package.

GRAFTING WAX. The reliable "Trowbridge's" that proves most satisfactory for all grafting purposes. 1/2 lb., 25c; 1 lb., 50c.

PARAPHIN WAX. A special wax for protecting trees from rodents and borers. 1 lb., 50c.

BEESWAX. In small cakes. 15c per cake.

SOILTEX. A handy outfit that will tell you in a moment whether your soil is acid, neutral, or alkaline. Full directions with each outfit. \$1.00 each.

WEED KILLER. Atlas weed exterminator which is available in both crystals and liquid. Crystals, 1 lb., 50c. Liquid, 1 gal., \$2.00.

TANGLEFOOT. Preparation for painting band around trees, caterpillars and other crawling pests cannot pass over it. 1-lb. can, 60c; 5-lb. can, \$2.75; 10 lbs., \$5.25; 25-lb. pail, \$11.00.

RABBIT SUPPLIES. We stock a general line of supplies for rabbit raisers.

MOTH KILLER. A guaranteed Moth killer in liquid form that will not stain. Clean and inoffensive. 1-pt. can, 75c.

BEDBUG KILLER. A guaranteed Bedbug killer that gets them with one application. 1-pt. can, 35c.

ROACH KILLER. Absolutely guaranteed to kill roaches and water bugs when properly applied. Pkt., 35c.

RAT AND MOUSE KILLER. A poisoned paste to spread on foods rats and mice feed on. Can, 35c.

CARBOLA

The Disinfecting White Paint

CARBOLA. A disinfecting whitewash paint. Kills lice, mites, prevents spread of contagious diseases. Indispensable in the poultry house. 5-lb. pkg., 75c; 10 lbs., \$1.25.

CROW-REPELLENT. Protects your corn kernels from being pulled up by crows. Does not injure germination. Small can, \$1.00. Large can (enough for 2 bu. seed corn), \$1.50.

STANDARD FLOWER POTS

	Pot	Saucer
4 inch	\$0.05	\$0.03
5 inch .....	.10	.04
6 inch .....	.15	.05
7 inch .....	.20	.07
8 inch .....	.25	.10
9 inch .....	.35	.15
10 inch .....	.60	.20
12 inch	1.00	.30

Special quantity price upon application.

GET RID OF RATS

RAT-SCENT. A specially prepared, scented, sun-dried combination of grains which is natural food for rats and mice. Harmless to chickens, dogs and cats, yet treated so as to absolutely exterminate the rat colony. It is merely necessary to place the grains in piles on floor. 35c per pkg. (This is the best seller in Rat Poisons).

THE WATER GARDEN

Our Landscape Department is equipped to plan and construct for you pools and water gardens to meet your needs. In addition to planning and constructing, we are also able to stock the pool with fish and other organisms as well as plant material to enhance the beauty of this part of the garden. Let us figure with you.

HARDY WATER LILIES FOR POOLS

Aquatic plants of some type are a necessity wherever fish are kept. We offer two varieties of the less expensive Lilies which are hardy and will not die over winter if roots are in mud beneath the ice.

YELLOW LILY. Choice light yellow, hardy, Mexican Lily. Leaves mottled red and green. Flowers 4 to 5 inches across. \$1.00 each.

WHITE LILY. Native American Lily; hardy, vigorous and inexpensive. Good for pools or ponds. 50c each.

WATER HYACINTHS. Forms lovely rosette of shining green leaves and spikes of beautiful lilac-rose flowers resembling hyacinths. 10c each.

SEA WEED (Cabomba, Myriophyllum and Ludwigia). Bunched moss available at all times. Suitable for inside as well as outside aquariums. 10c per bunch.

GOLDFISH

We have on hand at all times hundreds of common and fancy fish suitable for the aquarium or the outside pool.

COMMON GOLDFISH. Gold, silver and black commons at 10c to 25c.

FOUNTAIN FISH. Special sizes from 6- to 8-inch breeders. 50c to \$1.00.

LONG TAIL COMET. Characterized by fin developments of extraordinary size. Rapid swimmers. 15c to 35c.

JAPANESE NYMPHS. Short, plump bodies. Have large, winglike fin development. 15c to 35c.

JAPANESE FANTAILS. Short, plump bodies with fanlike tail fins. Large variation of color. 25c to 60c.

SHUBUNKINS. New variety often scaleless and distinguished by patches of red, black and blue against pearl background. No two alike. 25c to 60c.

CHINESE TELESCOPE. Fish with huge and protruding eyes. Both with straight and fantails. Variations of gold and silver. 40c to 75c.

MOORS. Similar to the above but velvety black. A most weird and unusual type. 40c to 75c.

SCAVENGERS

Scavengers are a necessity in purifying the pool or aquarium. Snails, tadpoles, etc., eat decayed matter and keep the water clear.

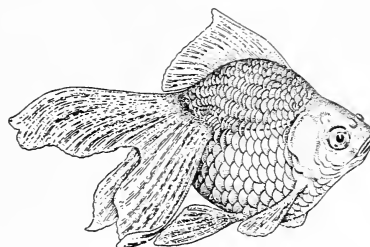
RED RAMSHORN SNAILS. 15c to 25c.

LARGE JAPANESE SNAILS. 10c to 20c.

GEOGRAPHIC TURTLES. 25c.

TADPOLES. 10c.

WATER LIZARDS. 25c.



A Fantail.

AQUARIUM SUPPLIES

We have, without question, the largest and best line of goldfish and aquarium supplies to be found in this section. We have in stock, at all times, hundreds of fish, scavengers, water plants, etc., to stock the aquarium. We have fish globes and assorted aquariums in all sizes and shapes as well as innumerable figures, castles, fisher boys and ornaments to be used in the aquarium.

Wafer Fish Food, Lb., 80c; pkg.	\$0.10
Shrimp Fish Food, Lb., \$1.25; pkg. ....	.10
Natural Aquarium Food .....	.10
Turtle Food .....	.10
Tropical Fish Food .....	.15
Health Dip .....	.15
Fungus Remedy .....	.15
Aquarium Cement .....	.25
Oxydene .....	.25
Pearl Chips or Shells .....	.10
Japanese Flowers .....	.10
Fresh Fish Moss .....	.10

FISH MOSS—FRESH EVERY WEEK—10c.

FOUNTAIN FIGURES

We have appropriate fisher boys and boy goose figures in beautiful white pottery at \$7.50.

BIRD BATH SPECIAL

We are offering a beautiful stone bath 25 inches high and 18½ inches wide at \$5.00. This is a rare bargain and is a necessity in all modern gardens.

We also stock gazing balls, sun dials, pots, etc., as well as a complete line of garden furniture, including pergolas and trellises of all kinds.



A Rock Garden development at home of Arthur G. Preston, St. Joseph, Mich. Construction by CUTLER & DOWNING CO. The planting will be completed this spring.

LANDSCAPE DEPARTMENT

Landscape Architecture should not be confused with the Landscape Gardener. The Architect, through training and experience, is able to create a picture through the use of growing plants. He must be able to visualize the results of his work far in advance of the time when the plant growth will give the picture desired. His ability to do this enables him to avoid the common and costly mistakes which often occur when trusting this work to the so-called landscape gardener. Years of study and experience are required for the training of men to know how to handle the intricate details of this profession. The CUTLER & DOWNING organization is composed of trained men who have devoted their lives to landscape work—college trained men whose service covers every phase of landscape architecture—planning, planting, maintenance, construction of walks, drives and other garden features.

Without charge or obligation, we will have our expert visit your grounds. He can then give you an estimate of the small charge for either preparing the plan or doing the work complete. This plan will include a list of the proper plants required to produce the effects you desire. This plan is so prepared that you may complete the planting at one time or spread it over a period of years. CUTLER & DOWNING CO. offer you this service and in the event the stock is purchased from us, we make no charge whatever for suggestions or drawings presented.

A CUTLER & DOWNING job is a well done job, as is evidenced by the many beautiful accomplishments to be found in all sections of the country. Among our leading achievements are the Benning and Gilmore homes in Indian Hills, the Berrien Hills Country Club, the homes of A. R. Maujer, J. J. Theisen, Willard Brewer, and many others too numerous to mention.

ROCK GARDENS

Everybody is making rock gardens these days. Even on the small lot there is some place where a tiny rock garden may be tucked away; the compactness of a rock garden is one of its charms. There is no end to the interesting combinations of rocks and plants. Pygmy mountains, lilliputian valleys, can be built of rugged rocks; a trickle of water pretend a mountain torrent, losing itself in a mirror pool. Our landscape department will be glad to furnish you with estimates and plans for the construction of a rockery to suit your needs. In the event you wish to work one out for yourself, we are in position to furnish appropriate rocks, flagstone and planting material. (Suitable rock plants are indicated (*) on page 23).

LANDSCAPE SERVICE BY MAIL

If you live too far away for our landscape man to call, merely send us a sketch of your property, giving us the size of your lot as well as the size and location of all buildings, walks, drives, trees, etc., and we will promptly submit to you without cost a plan showing a suggested planting. You are invited to take advantage of this service and keep in mind to give us all available data in your first letter.

TREE SURGERY

We have in our employ experienced tree surgeons, Davey trained men, to help you in preserving and extending the life of those highly prized trees about your home. A little precaution at this time may add years to the life of your trees. Estimates of repair or trimming gladly furnished.

STARVED TREES. Are your trees undernourished or do they show healthy, rich green foliage characteristic of a vigorous growth? If not, let us suggest an inspection by our tree surgeon. Perhaps a scientific feeding is needed. This is a wonderful service to a tree and can be done at a nominal cost.

SPRAYING

It is very wise to have our man check up on your shrubs and trees occasionally. He will be in position to apply the proper spray material to combat any disease he finds. We are also equipped with a large park sprayer and are therefore in position to properly spray any tree regardless of its size. We make a special rate to cities for the complete spraying of all city or park trees.

FOLLOW A PLAN

No matter how simple or pretentious your grounds are to be, a plan made before the work is commenced will be your greatest aid in achieving a charming outdoor living room where beauty and comfort abound. A plan will act as a sort of measuring rod for future activities; it will prevent needless errors and changes, and it will enable you to check over that which has already been accomplished. Complete your plans now before the planting season starts.

DRAINAGE

This is an important factor in the proper growth and development of trees, shrubs and plants. Let us tell you how your land can be drained as well as furnish estimates on the cost of same.



Formality in garden design is pleasing only when proportions are correct. The above is of CUTLER & DOWNING design and construction. Like it?

FLAGSTONE

The landscape improvement of your home can start with beautifully laid flagstone walks or at least you can plan to have one in your garden. We have experienced men to properly lay this material and there are perhaps four styles being used in the better gardens today. We are in position to furnish a natural rough limestone at 20c per foot or \$12.00 per ton or better still, a beautifully sawed stone in buff or blue, 2 inches thick, at 25c per foot or \$15.00 per ton. Let us quote on your requirements.

TENNIS COURT CONSTRUCTION

Our landscape department makes a specialty of tennis court construction, and if interested we can refer you to the beautiful courts at Berrien Hills Country Club where championship matches are held each season. We also constructed courts for W. K. Lampert of South Bend at his summer home in Edgewater, and for James P. Connery of Chicago at his Pottawatomie Park summer home. For lasting results a court must be properly constructed from foundation to surface and we know how and are equipped to do the job right.

GOLF COURSE CONSTRUCTION

A golf course to hold the interest of players must be properly laid out with traps and other hazards so located to make his game a sporting proposition. Proper fertilizing and seeding is another essential. Do not trust this sort of work to inexperienced hands. Let us figure with you and quote a course to meet your needs. Our latest golf project was a development at Marquette Woods near Stevensville, Michigan, which project was ready for play in June, 1930.

BLACK SOIL, CLAY AND SOD

We are in position to furnish at all times good rich black soil at \$2.50 per yard delivered in the twin cities. Our soil is pulverized with a soil shredder and comes to you in good condition for spreading. We are also in position to furnish a good grade of clay for lawn and garden construction at \$2.00 per yard delivered in the twin cities. If you have a large lawn job, ask us to give you an estimate on the complete cost of materials, seed and labor. We are in position at all times to furnish good heavy blue grass sod in any quantity desired. We will gladly give you an estimate on the sodding of your lawn.

ROAD CONSTRUCTION

Our landscape department is equipped to figure with you on the layout and construction of drives about your home. We have constructed many of them in this section and will gladly quote various forms of construction.



Another before and after view of the beautiful Berrien Hills Country Club, the landscaping of which has greatly enhanced the beauty of this popular social and sport center. Proper landscape design is a good business investment as proven by the accompanying pictures. Another landscape masterpiece by Cutler & Downing Co.



CANNAS, GLADIOLI, PEONIES, IRIS, ETC.

SPECIAL CANNA VARIETIES

KING HUMBERT. Purplish brown foliage with orange-scarlet flowers. 18c each; 50c for 3; \$1.65 per doz.

YELLOW KING HUMBERT. Green foliage, bright yellow, crimson dotted flowers. 18c each; 50c for 3; \$1.65 per doz.

THE PRESIDENT. The best green-leaved, red-flowered Canna offered. 25c each; 65c for 3; \$2.25 per doz.

MRS. ALFRED F. CONARD. Makes a charming continuous display of silver peach-pink. 25c each; 65c for 3; \$2.25 per doz.

GLADIOLI

LE MARECHAL FOCH. Clear light pink.

MRS. FRANK PENDLETON. Rose-pink on white.

SCHWABEN. Cream shade blending to canary.

PEACE. White with pale lilac in center.

CRIMSON GLOW. Deep scarlet-red. Large.

FLAMING SWORD. Earliest of all reds.

ANNA EBERIUS. Dark velvety purple.

ALICE TIPLADY. A rich orange-saffron.

Price, any variety, 40c per doz.; \$2.85 per 100.

CLEARANCE SALE OF FINE PEONIES

We are forced to move a large block of these fine varieties at reduced prices. All three to five eyes. Good red, pink and white.

50c each; \$1.40 per 3; \$5.00 per doz.; prepaid anywhere.

THE FRAGRANT IRIS TRIO

Magnificent flowers, brilliant colors, exquisite perfume.

CAPRICE. Rosy lilac; grape scented.

JEANNE D'ARC. White, edged blue.

AUREA. Yellow.

Each, 25c;

Doz., \$2.25.

THREE OF EACH (9)
BY MAIL POSTPAID **\$1.75**

We Pay the Postage

PLANTING TABLE

FOR CIRCULAR BEDS

At 6 inches apart, commence outside row 3 inches from edge of circle; if 12 inches apart, then 6 inches from edge, etc. It is important to make the outer rows compact, although the inner rows may be more openly spaced. The table below is for circular beds, but if square, will require about the same number of plants. An oval bed may be compared to a diameter found by adding length to breadth and dividing by two.

Diameter of Bed	Plants 6 in. Apart	Plants 12 in. Apart	Plants 18 in. Apart	Plants 24 in. Apart	Plants 30 in. Apart
3 feet	28	7			
4 feet	48	12	6		
5 feet	80	20	8		
6 feet	112	28	13	7	
7 feet	152	38	18	9	
8 feet	200	50	22	12	
9 feet	256	64	28	16	
10 feet	320	80	36	20	13
11 feet	380	95	42	24	16
12 feet	452	113	50	28	18
13 feet	528	132	59	33	22
14 feet	612	153	68	39	25
15 feet	704	176	78	44	28
16 feet	804	201	89	50	32
17 feet	904	226	100	57	36
18 feet	1016	254	113	63	40
19 feet	1132	283	126	71	46
20 feet	1256	314	139	78	50

Formula for computing number of plants in each row of a circular bed: Radius (in inches) multiplied by 6 1/3 divided by the distance between plants equals the number of plants. Each interior row requires 6 plants less than the next larger circle. Compute outer row first, the actual planting line fixing the radius.

STANDARD MIXTURE

A choice mixture of leading Gladioli, absolutely the finest assortment offered. A rainbow garden of color. 30c per doz.; \$2.00 per 100.

Judges Get Gray Hair Picking Winners of Class B Contest

Gilmore Home Given First By Reason of More Improvements This Year

Judges in The News-Palladium's third annual Beautifying contest got gray-headed trying to select the winner in Class B competition last week.

First choice lay between the William R. Gilmore and the W. F. Benning homes, with the Harold Benning home coming in for close attention.

The landscaping at all three homes was done by the nursery department of Cutler & Downing, and represents distinct types, leaving the question of which is the most beautiful, to a matter largely of personal taste.

The Gilmore home landscaping places more emphasis upon flowers, making a bright and gay setting for the home.

The Benning homes, landscaped together, specialized in large green lawns, bordered by shrubbery, and restfully shaded by giant trees, with formal flower beds at the rear.

Applying the principle that the Gilmores added much more in improvements this year than the Benning homes, first place finally was awarded to the former. The elder Benning's home was second place, and his son's home, third.



Beautiful Miami Road Home of W. R. Gilmore, Vice-President of Superior Steel Castings Co. Our foundation plantings are planned to give a lasting as well as an immediate effect.

CUTLER & DOWNING CO.

BENTON HARBOR, MICH.